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INLAND WATERS LANDS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1987

DIRECTION GENERALE DES EAUX INTERIEURES
ET DES TERRES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVES HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1987

Canada

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In 1887, Prime Minister Sir John A. Macdonald made an announcement of unprecedented environmental awareness. He announced the creation of the first Wildlife Sanctuary in Canada at Last Mountain Lake in Saskatchewan. This foresight in preserving an important site for migratory birds is readily appreciated in present times and is being recognized by officially declaring 1987 to be a year marking 100 years of wildlife conservation in Canada – Wildlife '87.

The Water Resources Branch is pleased to participate with the Canadian Wildlife Service in the celebration of Wildlife '87. Water is a vital element for all wildlife and the use of water data is critical to the wise management of waterfowl and many other wetland species.

The theme for Wildlife '87, "Gaining Momentum", is a reflection of the growing concern for wildlife conservation among Canadians. Recent surveys by the Canadian Wildlife Service have indicated that in 1981 about 80% of Canadians felt it was very important to maintain abundant wildlife and an even higher percentage participated in some form of wildlife-related activity.

The Canadian Wildlife Service has had a longstanding commitment to the conservation of wildlife. From its origin in the National Parks Branch of the Department of the Interior, it has emerged as an integral part of the current Department of Environment. Until the 1960s, the Canadian Wildlife Service mainly carried out research and management for migratory birds and acted as an advisory agency for Canadian wildlife issues. Subsequently, it has developed programs to provide wildlife information to the public, to protect species in danger of extinction and to conduct research and purchase land to preserve all wildlife.

The Canadian Wildlife Service has played an active role in Wildlife '87 and will continue to do so. By hosting the international RAMSAR Convention (May-June) and CITES Conference (July), attention will be drawn to the need to preserve wetlands and endangered species. The Canadian Wildlife Service will also coordinate the signing of management agreements and the designation of a number of wildlife conservation areas during 1987. These activities will identify wildlife problems and demonstrate the capability to arrive at cooperative solutions. It will be vital that Canadians continue to reach such cooperative solutions if wildlife is to survive the coming 100 years.

En 1887, le premier ministre Sir John A. Macdonald a fait une annonce qui dénotait une conscience sans précédent des problèmes relatifs à l'environnement. Il s'agissait de l'annonce de la création du premier refuge de faune au Canada, au lac Last Mountain, en Saskatchewan. L'esprit avant-gardiste et la prévoyance de ces efforts de conservation d'un site aussi important pour les oiseaux migrateurs, aujourd'hui bien plus aisément appréciés, sont officiellement reconnus par la déclaration de 1987 comme année marquant cent ans de conservation de la faune au Canada, sous la désignation de "Faune '87".

La Direction des ressources en eau est heureuse de se joindre au Service canadien de la faune dans la célébration de Faune '87. L'eau est un élément essentiel à la survie de toute faune, et les données sur celle-ci extrêmement nécessaires à la bonne gestion de la sauvagine et d'un grand nombre d'espèces vivant dans les terres humides.

Le thème choisi pour Faune '87, "Un nouvel essor", vise à refléter l'intérêt croissant des Canadiens pour la conservation de la faune. Des enquêtes menées récemment par le Service canadien de la faune indiquent qu'en 1981, environ 80 % des Canadiens accordaient une très grande importance à la préservation de l'abondance de la faune et qu'un pourcentage encore plus élevé s'adonnait à quelque forme d'activité reliée à la faune.

L'engagement de longue date du Service canadien de la faune à la conservation de la faune remonte à ses premiers jours comme Direction des parcs nationaux de l'ancien ministère de l'Intérieur. Le SCF est ensuite devenu partie intégrante de l'actuel ministère de l'Environnement. Jusqu'à dans les années 60, il effectuait principalement des recherches sur les populations et la gestion des oiseaux migrateurs et agissait à titre d'organisme consultatif pour les questions touchant à la faune du Canada. Le SCF s'est plus récemment doté de programmes d'information du public sur la faune, de protection des espèces menacées d'extinction et de recherche et d'acquisition de terres, pour assurer non seulement la protection des oiseaux migrateurs mais celle de toute la faune en général.

Le SCF a joué un rôle actif dans l'organisation de Faune '87 et continuera de le faire. Pendant la tenue au Canada de la Conférence internationale de RAMSAR à la fin mai début juin et de la CITES en juillet, l'attention sera attirée sur la nécessité de préserver les terres humides et les espèces menacées. Le SCF coordonnera aussi la signature d'accords de gestion et la désignation d'un certain nombre de zones de conservation en 1987. Ces activités mettront en valeur les problèmes dans le domaine de la faune et démontreront la possibilité d'y apporter des solutions coopératives. Il sera absolument essentiel pour assurer la survie de la faune au cours des cent prochaines années que les Canadiens continuent à parvenir à de telles solutions.

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Winnipeg, Manitoba.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Winnipeg (Manitoba).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1986 calendar year, the results of the hydrometric survey investigations which were made in Manitoba by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba.
R3C 1B2
(204 949-2434)

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-1508).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1986, the hydrometric surveys in Manitoba were conducted by the Water Survey of Canada under agreement with the Province of Manitoba. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1986, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués au Manitoba.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2
(204 949-2434)

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-1508).

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1986, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques au Manitoba en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream-gauging work started in Manitoba when the Winnipeg River Power Survey was commenced in 1911 by the Dominion Water Power Branch. The Manitoba Hydrographic Survey was organized in early 1912 and the survey was expanded to embrace all Manitoba and the Lake of the Woods in Ontario. Following the transfer of the natural resources of Manitoba to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Manitoba for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933, work was continued by the federal government under letter arrangement until 1975. A co-operative agreement was signed with the Government of Manitoba on February 18, 1975, and implemented on April 1, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Agriculture Canada, PFRA.

Provincial – Manitoba Hydro, Manitoba;
Department of Natural Resources, Water Resources Branch, Manitoba.

Municipal – City of Winnipeg Hydro-Electric System, Manitoba.

C'est en 1911, lorsque la Direction fédérale de l'énergie hydraulique a fondé le *Winnipeg River Power Survey*, que cet organisme a effectué les premières observations relatives aux cours d'eau au Manitoba. Avec la création du *Manitoba Hydrographic Survey* au début de 1912, le champ des relevés s'est élargi pour englober tout le Manitoba et le lac des Bois en Ontario. Après que la responsabilité des ressources naturelles du Manitoba est passée au gouvernement provincial, le 1er octobre 1930, le Manitoba et le gouvernement fédéral ont conclu un accord qui permettait à ce dernier de poursuivre les relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement du Manitoba a signé un nouvel accord qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Agriculture Canada (ARAP).

Niveau provincial – Hydro-Manitoba,
Ministère des Ressources naturelles, Direction des ressources en eau, Manitoba.

Niveau municipal – *Hydro-Electric System* de Winnipeg,
Manitoba.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0 453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit – 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit – 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0,001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0,01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ANGLE DRAIN NEAR GLENELLA - STATION NO. OSLL026

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	4.848	7.13	0.886	0.175	0.240	0.008E	0.106	---	---	1
2	---	---	0 B	4.28	7.08	0.773	0.163	0.225	0.007E	0.106	---	---	2
3	---	---	0 B	4.00	7.76	0.717	0.153	0.198	0.006E	0.102	---	---	3
4	---	---	0 B	3.84	7.46	0.650	0.159	0.181	0.003E	0.094	---	---	4
5	---	---	0 B	3.56	14.3	0.593	0.387	0.164	0 E	0.100	---	---	5
6	---	---	0 B	3.39	30.4	0.548	0.367	0.181	0 E	0.103	---	---	6
7	---	---	0 B	3.61	26.8	0.527	0.492	0.187	0 E	0.115	---	---	7
8	---	---	0 B	3.67	27.4	0.497	0.423	0.168	0.001E	0.116	---	---	8
9	---	---	0 B	3.40	23.1	0.455	0.321	0.144	0.003E	0.320	---	---	9
10	---	---	0 B	3.35	25.9	0.434	0.264	0.127	0.001E	0.360	---	---	10
11	---	---	0 B	3.40	33.7	0.415	0.245	0.097	0 E	0.142	---	---	11
12	---	---	0 B	3.415	30.3	0.397	0.286	0.080	0 E	0.133	---	---	12
13	---	---	0 B	1.678	16.6	0.369	0.376	0.036	0 E	0.138	---	---	13
14	---	---	0.0045	1.388	13.0	0.327	0.700	0.044	0 E	0.147	---	---	14
15	---	---	0.0528	1.188	10.9	0.304	0.850	0.201	0 E	0.126	---	---	15
16	---	---	0.0188	1.408	9.87	0.282	0.682	0.156	0 E	0.117	---	---	16
17	---	---	0.0168	3.24	8.81	0.261	0.691	0.103	0.001E	0.120	---	---	17
18	---	---	0.0168	3.37	7.35	0.352	0.491	0.060	0.002E	0.123	---	---	18
19	---	---	0.0128	11.3	6.19	0.371	0.418	0.072	0.003E	0.117	---	---	19
20	---	---	0.0108	8.25	5.31	0.318	0.378	0.085	0.003E	0.111	---	---	20
21	---	---	0.0278	5.31	4.54	0.278	0.349	0.081	0.002E	0.101	---	---	21
22	---	---	0.0988	4.39	4.01	0.248	0.297	0.130	0.002E	0.111	---	---	22
23	---	---	0.7988	4.02	3.65	0.304	0.278	0.087	0.001E	0.103	---	---	23
24	---	---	0.5148	3.68	3.26	0.189	0.256	0.081	0.001A	0.101	---	---	24
25	---	---	0.4588	3.58	2.93	0.182	0.268	0.054	0.024	0.095	---	---	25
26	---	---	0.3888	2.93	2.64	0.239	0.278	0.047	0.025	0.103	---	---	26
27	---	---	0.2728	2.73	2.14	0.267	0.274	0.048	0.092	0.104	---	---	27
28	---	---	1.83 B	3.80	1.84	0.283	0.319	0.038	0.184	0.113	---	---	28
29	---		3.08 B	3.16	1.54	0.246	0.330	0.020	0.155	0.110	---	---	29
30	---		3.65 B	4.60	1.39	0.205	0.354	0.015E	0.128	0.105	---	---	30
31	---		3.41 B		1.07		0.381	0.011E		0.1128		---	31
TOTAL	---	---	14.143	111.65	232.65	11.784	10.925	3.323	0.632	3.954	---	---	TOTAL
MEAN	---	---	0.455	3.72	10.7	0.393	0.353	0.107	0.021	0.128	---	---	MEAN
MAX	---	---	3.41	11.3	30.4	0.886	0.700	0.240	0.184	0.360	---	---	MAX
MIN	---	---	0	1.18	1.07	0.182	0.153	0.011	0	0.094	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.00
MAXIMUM DAILY, 30.4 ON MAY 6
MINIMUM DAILY, 0.0045 ON MAR 1
MAXIMUM INSTANTANEOUS,
31.3 AT 14:52 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 37 N
LONG 99 09 23 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	844
FEB	---	AUG	287
MAR	1 220	SEP	54
APR	9 650	OCT	342
MAY	28 800	NOV	---
JUN	1 020	DEC	---

TOTAL DISCHARGE, 42 300 dam³

REMARKS - PUBLISHED AS GLENELLA DRAIN PRIOR TO 1986

ANGLING RIVER NEAR BIRD - STATION NO. OSUH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.7448	0.5288	0.4008	0.3358	0.3008	28.8	19.4	28.7	24.3	9.27	7.258	3.328	1
2	0.7388	0.5218	0.3978	0.3328	0.2988	26.1	19.8	27.5	22.0	9.01	7.058	3.268	2
3	0.7288	0.5148	0.3958	0.3308	0.2968	23.8	19.0	25.6	19.9	8.97	6.858	3.188	3
4	0.7208	0.5078	0.3928	0.3278	0.2988	19.4	18.5	26.0	17.6	8.80	6.738	3.128	4
5	0.7128	0.5008	0.3908	0.3258	0.2988	18.3	19.2	25.2	16.8	9.18	6.558	3.068	5
6	0.7048	0.5008	0.3908	0.3258	0.3988	17.4	19.1	23.7	15.9	9.70	6.358	3.028	6
7	0.6988	0.4948	0.3888	0.3238	0.3988	17.4	18.2	21.8	17.3	9.86	6.178	2.948	7
8	0.6868	0.4948	0.3858	0.3208	0.3008	18.0	17.9	21.4	16.1	9.82	6.008	2.928	8
9	0.6808	0.4888	0.3818	0.3208	0.3128	18.1	20.1	22.1	15.7	9.70	5.858	2.888	9
10	0.6728	0.4828	0.3838	0.3188	0.3788	19.0	22.0	23.3	15.4	9.61	5.888	2.828	10
11	0.6648	0.4768	0.3808	0.3158	0.10 B	19.8	22.1	24.4	14.4	9.55	5.548	2.748	11
12	0.6648	0.4708	0.3778	0.3158	24.8 B	18.9	20.8	24.5	13.8	10.2	5.388	2.708	12
13	0.6588	0.4648	0.3758	0.3128	94.4 B	21.9	18.8	24.0	13.3	10.2	5.188	2.668	13
14	0.6488	0.4588	0.3728	0.3128	137 B	26.7	18.1	22.3	12.7	10.0	5.008	2.628	14
15	0.6408	0.4528	0.3708	0.3108	151 B	29.8	19.1	22.9	12.2	10.8	4.868	2.568	15
16	0.6328	0.4528	0.3678	0.3108	152 B	30.7	19.0	24.6	12.0	9.72	4.718	2.528	16
17	0.6288	0.4468	0.3658	0.3078	152	31.0	19.4	26.2	11.6	9.95	4.628	2.508	17
18	0.6188	0.4468	0.3628	0.3058	147	30.3	19.2	26.6	11.0	9.82	4.478	2.468	18
19	0.6128	0.4408	0.3628	0.3028	141	27.3	18.1	26.9	11.1	9.67	4.388	2.428	19
20	0.6068	0.4368	0.3608	0.3008	133	24.0	17.9	33.6	10.6	10.0	4.237	2.388	20
21	0.6068	0.4328	0.3578	0.3008	125	22.3	19.0	37.2	10.5	9.71	4.148	2.348	21
22	0.5948	0.4288	0.3558	0.3008	115	20.1	18.2	40.7	10.5	9.60	4.028	2.308	22
23	0.5918	0.4248	0.3538	0.3008	105	18.8	18.8	44.1	10.2	9.55	3.958	2.268	23
24	0.5848	0.4208	0.3508	0.3008	96.6	17.8	19.2	45.7	10.2	9.68	3.858	2.228	24
25	0.5778	0.4168	0.3508	0.3008	85.5	18.6	22.1	47.1	9.93	8.91	3.778	2.188	25
26	0.5708	0.4128	0.3488	0.3008	76.6	19.1	25.8	44.8	9.52	8.74	3.688	2.148	26
27	0.5638	0.4088	0.3458	0.3008	63.6	19.3	28.2	42.6	9.69	8.85	3.598	2.128	27
28	0.5568	0.4048	0.3428	0.3008	54.8	19.8	29.8	40.1	9.80	9.22	3.518	2.108	28
29	0.5498		0.3408	0.3008	43.7	19.2	31.1	36.8	9.59	7.788	3.488	2.088	29
30	0.5428		0.3378	0.3008	36.8	19.6	31.0	31.4	9.51	7.608	3.408	2.068	30
31	0.5358		0.3378		32.8		30.2	28.6		7.408		2.028	31
TOTAL	19.717	12.912	11.408	9.343	1 939.673	626.8	581.0	941.8	403.94	281.71	150.21	77.80	TOTAL
MEAN	0.636	0.461	0.368	0.311	62.6	20.9	18.7	30.4	13.5	9.41	5.01	2.58	MEAN
MAX	0.744	0.570	0.460	0.336	152	31.0	31.1	47.1	24.3	10.8	7.25	3.32	MAX
MIN	0.535	0.404	0.337	0.300	0.288	18.8	17.2	21.4	9.51	7.40	3.40	2.02	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.8
MAXIMUM DAILY, 152A ON MAY 16
MINIMUM DAILY, 0.2988 ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 40 39 N
LONG 99 38 20 W
DRAINAGE AREA, 1 030 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 700	JUL	50 200
FEB	1 120	AUG	81 400
MAR	886	SEP	34 900
APR	807	OCT	25 200
MAY	168 000	NOV	13 000
JUN	54 000	DEC	8 900

TOTAL DISCHARGE, 438 000 dam³

ANTLER RIVER NEAR MELITA - STATION NO. 05NP002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1158	0.0678	0.1258	2.50	0.857	0.846	0.297	3.25	0.080	0.016	0.050	0.0858	1
2	0.1138	0.0718	0.1438	2.40	0.829	0.757	0.238	3.09	0.087	0.046	0.077	0.0758	2
3	0.1128	0.0748	1.58 B	2.25	0.808	0.700	0.203	2.37	0.117	0.042	0.088	0.0938	3
4	0.1118	0.0788	4.97 B	2.10	0.778	0.637	0.177	1.78	0.109	0.032	0.074	0.0988	4
5	0.1098	0.0788	4.37 B	1.88	0.872	0.590	0.157	1.39	0.077	0.026	0.054	0.0858	5
6	0.1058	0.0788	4.63 B	2.03	1.56	0.518	0.163	1.10	0.053	0.026	0.058	0.0898	6
7	0.0998	0.0758	5.13 B	2.20	2.10	0.457	0.119	0.893	0.043	0.004	0.052	0.0318	7
8	0.0988	0.0748	5.37 B	2.14	1.92	0.403	0.106	0.740	0.038	0	0.0388	0.0858	8
9	0.1018	0.0718	4.17 B	1.92	1.86	0.364	0.095	0.646	0.033	0	0.0848	0.0988	9
10	0.1038	0.0688	5.60 B	1.89	2.84	0.321	0.093	0.549	0.018	0	0.0928	0.0718	10
11	0.1058	0.0658	3.98 B	1.54	3.33	0.281	0.090	0.455	0.001	0	0.0908	0.0488	11
12	0.1048	0.0648	5.08 B	1.41	4.85	0.270	0.107	0.376	0	0	0.0738	0.0708	12
13	0.1008	0.0648	5.58 B	1.30	6.62	0.262	0.139	0.302	0	0.018	0.0588	0.0548	13
14	0.0998	0.0648	4.24 B	1.21	6.91	0.220	0.818	0.258	0	0.058	0.0388	0.0458	14
15	0.0978	0.0628	3.65 B	1.14	6.58	0.229	1.01	0.277	0	0.057	0.0508	0.0558	15
16	0.0988	0.0628	3.31 B	1.08	6.05	0.233	0.907	0.231	0	0.078	0.1008	0.0648	16
17	0.0998	0.0638	3.11 B	1.01	5.46	0.192	0.895	0.190	0	0.076	0.1528	0.0538	17
18	0.0988	0.0588	3.28 B	1.06	5.14	0.162	1.44	0.168	0	0.073	0.1298	0.0808	18
19	0.0998	0.0588	3.55 B	1.10	4.38	0.157	1.90	0.228	0	0.071	0.1088	0.0828	19
20	0.1018	0.0588	3.70 B	1.11	3.84	0.141	1.73	0.247	0	0.076	0.1008	0.0878	20
21	0.0958	0.0588	3.64 B	1.08	3.15	0.128	1.74	0.255	0	0.073	0.0828	0.0438	21
22	0.0878	0.0578	3.80 B	1.09	2.89	0.116	2.60	0.268	0	0.076	0.0778	0.0218	22
23	0.0838	0.0588	4.21 B	1.17	2.36	0.103	2.85	0.236	0	0.091	0.0718	0.0388	23
24	0.0848	0.0608	4.19 B	1.16	2.18	0.113	2.42	0.216	0	0.104	0.0698	0.0488	24
25	0.0878	0.0858	4.22 B	1.13	1.84	0.073	1.86	0.191	0	0.101	0.0798	0.0458	25
26	0.0788	0.1338	3.84 B	1.10	1.58	0.158	1.82	0.165	0	0.093	0.0838	0.0338	26
27	0.0678	0.0758	3.22 B	1.07	1.40	0.227	1.41	0.152	0.003	0.094	0.0838	0.0278	27
28	0.0678	0.0748	2.78	1.01	1.24	0.277	1.34	0.104	0.011	0.180	0.0818	0.0288	28
29	0.0668		2.80	0.838	1.13	0.277	1.20	0.118	0.015	0.071	0.0778	0.0118	29
30	0.0648		2.85	0.893	1.03	0.313	1.57	0.085	0.014	0.028	0.0798	0.0508	30
31	0.0648		2.81		0.932		2.45	0.074		0.048		0.0388	31
TOTAL	2.804	1.920	113.148	53.811	88.801	9.546	31.945	20.383	0.695	1.637	2.319	1.803	TOTAL
MEAN	0.094	0.069	3.85	1.46	2.79	0.318	1.03	0.858	0.023	0.053	0.077	0.058	MEAN
MAX	0.115	0.133	5.80	2.50	6.91	0.846	2.85	3.25	0.117	0.180	0.152	0.099	MAX
MIN	0.064	0.058	0.125	0.893	0.778	0.073	0.090	0.074	0	0	0.036	0.011	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.858
MAXIMUM DAILY, 6.91 ON MAY 14
MINIMUM DAILY, 0 ON SEP 12
MAXIMUM INSTANTANEOUS,
7.02 AT 03:11 CST ON MAY 14

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 34 N
LONG 101 02 58 W
DRAINAGE AREA, 3 330 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	251	JUL	2 760
FEB	166	AUG	1 760
MAR	9 760	SEP	60.4
APR	3 790	OCT	141
MAY	7 660	NOV	200
JUN	825	DEC	156

TOTAL DISCHARGE, 27 400 dam³

ARROW RIVER NEAR ARROW RIVER - STATION NO. 05NG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.67B	1.01	0.179	0.084	0	0	0.008	---	---	1
2	---	---	0 B	7.14	0.897	0.165	0.054	0	0	0.017	---	---	2
3	---	---	0 B	6.13	0.784	0.165	0.040	0	0	0.023	---	---	3
4	---	---	0 B	5.07	0.681	0.131	0.034	0	0	0.048	---	---	4
5	---	---	0 B	3.71	1.34	0.101	0.104	0	0	0.071	---	---	5
6	---	---	0 B	3.61	3.51	0.098	0.081	0	0	0.088	---	---	6
7	---	---	0 B	3.88	2.37	0.130	0.086	0	0	0.082	---	---	7
8	---	---	0 B	4.02	1.91	0.101	0.081	0	0	0.074	---	---	8
9	---	---	0 B	4.15	1.77	0.085	0.059	0	0	0.084	---	---	9
10	---	---	0 B	4.44	1.80	0.080	0.059	0	0	0.084	---	---	10
11	---	---	0.010B	4.89	1.30	0.088	0.052	0	0	0.062	---	---	11
12	---	---	0.026B	4.76	1.30	0.054	0.057	0	0	0.058	---	---	12
13	---	---	0.043B	4.15	1.50	0.045	0.053A	0	0	0.056	---	---	13
14	---	---	0.060B	2.76	1.47	0.043	0.088E	0	0	0.077	---	---	14
15	---	---	0.083B	2.81	1.38	0.048	0.086E	0	0	0.074	---	---	15
16	---	---	0.102B	3.26	1.16	0.057	0.043E	0	0	0.063	---	---	16
17	---	---	0.110B	3.44	1.04	0.053	0.088E	0	0	0.055	---	---	17
18	---	---	0.113B	4.12	0.984	0.047	0.125E	0	0	0.054	---	---	18
19	---	---	0.117B	3.43	0.880	0.058	0.103E	0	0	0.054	---	---	19
20	---	---	0.136B	2.97	0.773	0.098	0.052E	0	0	0.047	---	---	20
21	---	---	0.253B	2.63	0.670	0.108	0.027E	0	0	0.048	---	---	21
22	---	---	0.423B	2.18	0.569	0.097	0.020A	0	0	0.052	---	---	22
23	---	---	0.726B	1.87	0.485	0.068	0.018	0	0	0.056	---	---	23
24	---	---	1.09 B	1.78	0.367	0.048	0.014	0	0	0.053	---	---	24
25	---	---	1.63 B	1.93	0.402	0.031	0.008	0	0	0.054	---	---	25
26	---	---	2.63 B	1.84	0.388	0.154	0.006	0	0	0.052	---	---	26
27	---	---	4.02 B	1.48	0.381	0.300	0.003	0	0	0.054	---	---	27
28	---	---	4.76 B	1.29	0.313	0.180	0.012	0	0.007	0.067	---	---	28
29	---		2.32 B	1.22	0.280	0.092	0.008	0	0.012	0.0888	---	---	29
30	---		3.02 B	1.14	0.245	0.071	0.003	0	0.008	0.0788	---	---	30
31	---		5.33 B		0.212		0.001	0		0.0888		---	31
TOTAL	---	---	27.026	102.29	32.262	2.938	1.458	0	0.027	1.818	---	---	TOTAL
MEAN	---	---	0.872	3.41	1.04	0.098	0.047	0	0.001	0.059	---	---	MEAN
MAX	---	---	5.33	7.14	3.51	0.306	0.126	0	0.012	0.098	---	---	MAX
MIN	---	---	0	1.14	0.212	0.031	0.001	0	0	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.885
MAXIMUM DAILY, 7.14 ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.91B AT 19:01 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORD NG
LOCATION - LAT 50 05 10 N
LONG 100 57 30 W
DRAINAGE AREA, 870 km²
A - MANUAL GAUGE
B - ICL CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	126
FEB	---	AUG	0
MAR	2 330	SEP	2.33
APR	8 840	OCT	157
MAY	2 790	NOV	---
JUN	264	DEC	---

TOTAL DISCHARGE, 14 500 dam³

ASSINIBOINE RIVER AT HEADINGLEY - STATION NO. 05MJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.28	23.28	25.88	2508	178	112	33.1	25.5	16.0	13.4	25.4	19.88	1
2	25.28	25.58	26.38	1988	189	109	31.6	25.9	15.6	9.01	24.28	19.58	2
3	24.38	26.08	26.18	2108	179	104	30.3	25.6	15.4	9.92	21.68	19.38	3
4	24.88	25.58	25.88	253	180	92.4	31.1	26.3	15.4	10.6	19.38	18.88	4
5	25.88	26.08	25.58	267	185	84.8	29.7	24.8	15.5	11.1	17.08	18.68	5
6	25.68	24.68	25.78	178	182	84.5	28.9	24.2	15.5	14.2	20.58	18.78	6
7	25.88	23.68	25.78	184	188	91.8	28.0	23.6	15.5	18.1	35.78	19.28	7
8	25.58	23.18	26.18	182	185	89.0	28.4	23.3	15.5	21.8	22.68	19.08	8
9	25.78	24.08	26.58	189	183	83.7	25.5	23.2	15.4	25.9	17.18	18.58	9
10	25.88	24.18	26.68	191	185	76.1	25.9	22.7	15.3	24.5	15.48	19.48	10
11	25.58	24.18	26.58	191	152	78.4	42.9	21.6	15.2	22.5	13.88	19.48	11
12	25.48	24.88	25.88	185	151	77.7	59.1	20.4	15.1	22.0	12.18	19.48	12
13	25.48	24.78	25.08	181	157	75.2	56.5	20.2	14.9	21.6	12.88	19.48	13
14	25.48	24.08	24.88	173	150	71.8	53.4	20.2	14.9	22.8	14.38	19.48	14
15	25.48	24.28	25.88	166	143	69.5	48.2	19.1	14.8	24.6	14.88	19.59	15
16	25.18	24.78	26.88	150	152	67.4	40.1	18.5	14.8	25.1	16.58	19.59	16
17	24.58	26.38	26.08	133	173	65.8	35.0	18.5	14.8	25.1	17.28	19.58	17
18	24.28	26.38	25.88	123	180	64.5	32.0	18.9	14.8	24.5	19.98	19.58	18
19	25.18	25.98	25.88	122	182	63.0	31.1	19.2	14.9	23.0	22.18	19.68	19
20	25.58	25.38	26.88	131	188	63.0	30.2	19.3	24.0	22.6	20.08	19.69	20
21	25.48	24.78	33.88	139	186	62.1	29.3	19.3	34.1	22.9	17.58	19.98	21
22	25.18	24.48	36.28	140	180	61.0	29.5	19.3	34.3	24.0	15.78	20.28	22
23	24.88	25.48	40.68	149	174	58.4	30.0	19.2	31.0	23.9	15.48	20.38	23
24	24.08	26.48	48.68	153	167	53.5	29.0	19.1	27.9	24.3	15.78	20.48	24
25	24.28	26.98	61.68	149	160	44.5	28.0	19.0	26.8	25.7	16.08	20.48	25
26	25.38	26.88	86.58	144	152	42.5	27.0	18.8	21.3	26.1	17.08	20.38	26
27	25.58	26.68	105 B	140	143	41.4	25.8	18.5	17.5	26.2	18.18	20.28	27
28	24.88	25.88	144 B	138	136	39.9	24.2	18.1	17.2	26.0	19.08	20.78	28
29	25.08		199 B	139	128	38.3	22.7A	17.7	15.9	25.7	19.58	21.08	29
30	25.28		225 B	144	115	33.1	25.4A	17.2	15.8	25.8	19.98	20.88	30
31	23.08		236 B		112		25.4	16.8		25.8		20.68	31
TOTAL	777.0	702.3	1 736.1	5 073	5 007	2 115.6	1 009.8	842.9	555.2	886.43	556.1	612.0	TOTAL
MEAN	25.1	25.1	56.0	169	162	70.5	32.6	20.7	18.5	21.5	18.5	19.7	MEAN
MAX	25.8	26.9	236	267	192	112	59.1	25.9	34.3	26.2	35.7	21.0	MAX
MIN	23.0	23.1	24.8	122	112	33.1	22.7	16.8	14.8	9.01	12.1	18.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.3
MAXIMUM DAILY, 267 ON APR 5
MINIMUM DAILY, 9.01 ON OCT 2
MAXIMUM INSTANTANEOUS,
331 AT 22:48 CST ON APR 4

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 09 N
LONG 97 24 10 W
DRAINAGE AREA, 153 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	67 100	JUL	87 200
FEB	60 700	AUG	55 500
MAR	150 000	SEP	48 000
APR	438 000	OCT	57 600
MAY	433 000	NOV	48 000
JUN	183 000	DEC	52 900

TOTAL DISCHARGE, 1 680 000 dam³

ASSINIBOINE RIVER NEAR BRANDON - STATION NO. 05MH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.18	21.08	21.68	141 B	76.3	63.6	14.2	11.2	8.35	7.40	15.9	19.68	1
2	22.18	21.68	21.68	173 B	74.3	60.7	13.6	11.3	8.36	7.67	16.1	19.18	2
3	22.18	22.48	21.28	193 B	72.9	58.7	14.3	10.8	8.20	7.85	16.3	18.98	3
4	22.48	22.68	20.48	188 B	71.1	56.8	14.3	10.6	8.64	8.13	16.4	18.88	4
5	22.38	22.28	19.68	185	78.1	54.8	18.4	10.5	9.28	8.11	14.5	18.68	5
6	21.88	22.88	19.48	188	83.6	53.8	24.8	10.5	9.30	8.15	11.8	18.58	6
7	21.98	23.18	19.48	182	86.5	52.6	23.0	10.4	9.19	9.77	10.9	18.48	7
8	22.18	23.38	19.88	180	102	51.0	19.4	9.95	8.88	11.6	9.62	18.38	8
9	22.38	23.18	19.88	172	108	49.7	15.7	9.87	8.78	12.1	12.7 B	17.98	9
10	22.18	22.98	19.68	146	112	48.0	15.7	10.4	8.87	12.8	12.6 B	17.28	10
11	21.88	22.78	19.08	124	118	46.1	15.4	10.7	8.88	12.9	12.1 B	17.18	11
12	21.18	22.38	18.18	109	129	45.8	15.4	11.4	8.05	13.1	12.1 B	17.38	12
13	21.68	21.48	17.48	98.0	139	45.6	14.8	12.4	8.77	12.9	12.6 B	17.68	13
14	22.38	20.58	17.48	89.5	141	44.8	14.5	12.3	8.41	12.8	13.7 B	17.78	14
15	22.78	20.58	18.28	82.3	140	44.2	13.8	11.4	8.42	12.9	15.0 B	17.08	15
16	22.78	21.18	20.08	76.6	136	43.1	13.6	10.8	8.56	13.0	16.4 B	17.28	16
17	22.78	21.58	24.58	73.4	133	39.5	14.0	10.7	8.85	13.8	18.4 B	17.68	17
18	22.88	21.38	27.88	73.6	127	34.7	14.7	10.8	8.88	14.7	20.5 B	17.98	18
19	22.68	21.18	34.58	76.3	121	30.8	14.0	10.8	8.81	15.1	21.8 B	18.08	19
20	22.78	20.98	36.78	81.6	115	28.5	13.3	10.2	8.90	15.0	22.5 B	18.48	20
21	22.68	21.08	35.88	83.8	108	25.5	13.1	9.85	8.97	14.9	22.8 B	18.68	21
22	22.88	21.18	46.48	85.3	102	22.1	12.7	9.20	8.95	14.8	22.4 B	18.88	22
23	22.88	21.18	85.38	86.5	96.7	20.5	12.5	8.87	8.97	14.4	21.9 B	18.68	23
24	23.18	21.08	90.68	85.5	91.5	20.3	11.7	8.82	8.80	14.1	21.8 B	18.48	24
25	23.18	20.88	92.78	85.6	86.9	18.6	11.0	8.44	7.17	14.0	21.7 B	17.98	25
26	22.88	20.58	76.88	85.1	82.6	19.2	10.8	8.47	8.16	13.9	21.4 B	17.68	26
27	22.68	20.88	87.18	84.0	78.9	19.0	10.7	8.86	7.91	13.5	20.8 B	17.48	27
28	22.48	21.38	100 B	82.5	75.4	17.2	11.8	9.02	7.44	13.5	20.2 B	18.08	28
29	22.18		112 B	80.0	72.0	16.0	11.5	8.13	7.36	13.2	19.8 B	18.18	29
30	22.08		119 B	78.0	69.0	15.1	11.1	8.86	7.34	13.5	19.7 B	18.18	30
31	21.58		126 B		66.8		10.5	8.70		15.2		18.28	31
TOTAL	691.7	605.5	1 384.3	3 491.6	3 116.7	1 150.4	445.8	315.08	231.81	384.58	514.52	581.4	TOTAL
MEAN	22.3	21.6	43.7	116	101	38.3	14.4	10.2	7.73	12.4	17.2	18.1	MEAN
MAX	23.1	23.3	126	193	141	63.6	24.8	12.4	9.30	15.2	22.8	19.6	MAX
MIN	21.1	20.5	17.4	73.4	66.8	15.1	10.5	8.44	6.41	7.40	9.62	17.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 35.2
MAXIMUM DAILY, 1938 ON APR 3
MINIMUM DAILY, 6.41 ON SEP 14
MAXIMUM INSTANTANEOUS,
2028 AT 20:01 CST ON APR 3

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 100 05 10 W
DRAINAGE AREA, 85 800 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	59 800	JUL	38 500
FEB	52 300	AUG	27 200
MAR	117 000	SEP	20 000
APR	302 000	OCT	33 200
MAY	289 000	NOV	44 500
JUN	99 400	DEC	48 500

TOTAL DISCHARGE, 1 110 000 dam³

ASSINIBOINE RIVER NEAR HOLLAND - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.6B	27.4B	26.7B	172	123	105	29.1	31.1	13.6	14.5	27.7	24.8B	1
2	25.2B	26.6B	27.1B	186	127	104	26.2	31.1	13.7	16.3	28.1	25.1B	2
3	26.6B	26.1B	27.7B	181	131	100	27.3	30.5	13.5	16.5	26.8B	24.5B	3
4	26.2B	24.0B	26.5B	210	134	94.1	27.0	30.4	13.0	19.2	29.8B	25.5B	4
5	26.6B	25.9B	27.6B	264	132	89.4	27.0	29.1	13.0	19.2	29.2B	24.3B	5
6	25.6B	26.7B	25.2B	256	150	86.0	26.0	26.7	12.8	19.4	28.6B	24.1B	6
7	26.0B	25.1B	25.1B	247	201	83.4	25.6	24.5	12.6	19.6	28.3B	23.7B	7
8	27.3B	26.2B	24.6B	244	227	82.0	25.5	22.8	13.0	20.5	28.7B	23.3B	8
9	28.2B	26.1B	22.8B	242	200	78.5	32.7	22.7	13.3	21.6	30.5B	22.2B	9
10	28.3B	23.7B	24.7B	235	187	74.1	32.3	22.2	13.3	22.3	25.3B	21.8B	10
11	28.9B	24.7B	24.5B	214	188	70.5	34.0	21.2	13.1	23.7	27.5B	23.1B	11
12	28.4B	26.6B	24.4B	187	188	67.3	32.0	20.0	12.7	24.6	27.2B	22.6B	12
13	27.3B	27.9B	25.2B	165	188	64.5	28.0	19.3	13.2	24.8	27.9B	23.0B	13
14	25.9B	27.0B	24.5B	149	195	63.7	26.9	18.9	13.3	24.7	27.7B	22.2B	14
15	27.1B	26.5B	24.0B	136	198	62.2	26.8	19.1	13.0	24.6	28.6B	22.2B	15
16	28.6B	25.3B	30.1B	125	197	62.1	27.0	19.6	12.8	24.6	27.0E	22.0B	16
17	28.8B	25.2B	36.8B	116A	194	62.2	26.3	19.4	12.5	24.4	26.3B	23.2B	17
18	29.0B	24.3B	40.5B	114A	191	61.1	26.6	18.3	12.3	24.4	26.2B	23.3B	18
19	28.8B	26.1B	44.0B	121A	186	58.0	30.8	17.5	12.1	25.1	29.6B	22.8B	19
20	27.5B	27.7B	51.7B	139A	181	55.1	28.8	16.4	12.3	26.5	28.6B	22.6B	20
21	26.6B	26.4B	56.7B	152A	174	50.8	28.3	16.5	12.4	28.1	27.6B	23.3B	21
22	27.5B	27.6B	70.3B	145A	167	46.6	27.3	16.2	12.3	28.8	27.3B	22.9B	22
23	29.4B	27.4B	101.B	140	159	42.3	25.5	15.8	12.3	29.0	28.5B	22.0B	23
24	28.2B	26.3B	89.7B	137	153	38.0	24.2	15.0	12.3	29.0	25.2B	23.3B	24
25	28.1B	26.6B	146.B	134	146	35.6	24.2	14.4	12.3	28.6	26.2B	23.9B	25
26	27.1B	27.4B	163.B	132	140	35.2	24.0	14.5	12.7	28.3	26.6B	23.1B	26
27	25.6B	27.6B	146.B	130	134	34.2	23.8	14.8	13.3	28.1	27.0B	22.1B	27
28	23.5B	26.6B	144.B	128	124	33.0	25.6	14.3	14.6	28.1	26.3B	22.0B	28
29	27.4B		140.B	127	122	31.6	28.6	14.0	15.2	27.7	25.9B	21.8B	29
30	28.1B		186.B	124	117	30.5	30.1	13.8	14.7	27.6	26.6B	21.7B	30
31	27.3B		195		112		30.4	13.6		28.0		22.4B	31
TOTAL	846.3	737.0	2 035.6	5 035	5 070	1 902.8	864.2	624.5	391.8	750.5	818.0	715.0	TOTAL
MEAN	27.3	26.3	65.7	168	164	63.4	27.9	20.1	13.1	24.2	27.3	23.1	MEAN
MAX	29.4	28.4	195	264	227	105	34.0	31.1	15.2	29.0	29.6	25.5	MAX
MIN	23.5	23.7	22.8	114	112	30.5	23.8	13.6	12.1	14.5	20.5	21.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 64.2
MAXIMUM DAILY, 264 ON APR 5
MINIMUM DAILY, 12.1 ON SEP 19
MAXIMUM INSTANTANEOUS,
274 AT 16 44 CST ON APR 5

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 54 N
LONG 98 53 56 W
DRAINAGE AREA, 152 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	73 100	JUL	74 700
FEB	63 700	AUG	54 000
MAR	176 000	SEP	33 900
APR	435 000	OCT	64 800
MAY	436 000	NOV	70 700
JUN	164 000	DEC	61 800

TOTAL DISCHARGE, 1 710 000 dam³

ASSINIBOINE RIVER NEAR MINIOTA - STATION NO. 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.0B	21.1B	18.0B	130 B	46.5	42.3	10.1	8.90	8.70	8.15	13.7	18.1B	1
2	19.9B	20.5B	17.3B	157 B	45.8	41.5	9.73	8.79	8.49	8.25	11.2	18.1B	2
3	20.0B	21.8B	17.3B	178 B	45.4	40.9	9.38	8.71	8.30	8.26	10.8	18.0B	3
4	20.1B	22.1B	17.4B	180 B	44.9	40.3	9.07	8.40	8.15	8.25	9.97	17.9B	4
5	20.3B	22.0B	17.6B	157	46.9	39.4	9.14	8.40	8.01	8.70	13.6	17.8B	5
6	20.7B	21.7B	18.0B	120	56.2	38.8	9.55	9.46	7.92	9.59	15.9	16.3B	6
7	21.4B	21.2B	17.3B	100 A	61.1	38.7	9.76	9.87	7.90	10.1	17.7	14.7B	7
8	22.1B	20.9B	16.3B	83.4E	62.3	38.2	10.2	10.0	7.87	10.1	13.8	15.8B	8
9	22.3B	20.7B	15.3B	67.2A	66.1	37.6	10.2	12.1	7.75	10.0	22.0	16.4B	9
10	22.4B	18.6B	15.3B	62.9	75.4	37.2	7.78	11.7	7.70	10.0	25.8	17.3B	10
11	22.3B	18.4B	17.9B	57.3	82.4	36.9	9.79	10.4	7.88	10.0	21.1 B	16.4B	11
12	22.2B	19.6B	19.2B	51.8	78.9	36.3	9.61	10.2	7.86	9.86	21.0 B	14.7B	12
13	22.2B	20.8B	21.0B	48.5	76.1	35.3	9.68	10.5	7.84	10.8	25.8 B	15.5B	13
14	22.2B	21.1B	24.5B	47.9	73.6	31.2	10.2	10.7	7.55	11.5	26.3 B	17.1B	14
15	22.2B	20.6B	27.3B	46.2	70.5	27.2	10.0	10.8	7.47	11.7	24.8 B	18.5B	15
16	22.1B	20.4B	31.9B	42.6	68.4	21.6	9.41	10.5	7.40	11.6	23.3 B	17.0B	16
17	22.0B	20.0B	35.5B	42.1	65.9	17.7	9.32	10.1	7.34	11.8	22.8 B	17.3B	17
18	22.1B	20.5B	33.6B	45.3	63.3	16.0	9.30	9.81	7.26	11.7	20.9 B	17.2B	18
19	22.1B	20.4B	34.6B	50.9	61.3	14.9	9.22	9.67	7.26	11.5	20.1 B	17.2B	19
20	22.2B	20.3B	35.2B	52.9	59.3	15.3	8.89	9.49	7.43	11.3	19.7 B	17.0B	20
21	22.2B	20.1B	41.0B	54.3	57.3	15.5	8.58	9.12	7.40	11.0	19.1 B	16.5B	21
22	22.1B	19.5B	55.6B	55.1	55.4	11.5	8.40	8.93	7.42	11.0	19.0 B	15.7B	22
23	21.9B	18.6B	69.2B	54.6	53.5	10.7	8.36	9.33	7.39	10.9	18.8 B	15.4B	23
24	21.0B	20.7B	78.2B	54.7	52.0	10.2	8.35	9.75	7.34	10.7	18.8 B	15.8B	24
25	20.9B	20.9B	88.2B	54.0	50.7	10.2	8.20	9.75	7.44	10.8	18.9 B	16.3B	25
26	20.3B	20.0B	92.7B	52.4	48.9	10.6	7.87	9.55	7.55	10.5	18.9 B	16.2B	26
27	20.9B	20.4B	92.5B	51.0	47.7	10.4	8.30	9.44	7.69	12.1	19.1 B	16.1B	27
28	19.5B	19.8B	93.5B	49.8	46.9	10.3	10.0	9.31	7.72	13.3	18.7 B	15.9B	28
29	18.1B		95.8B	48.8	45.8	11.4	9.78	9.15	7.71	13.6	18.4 B	15.8B	29
30	21.0B		106 B	47.7	44.6	11.0	9.23	9.03	7.86	13.6	18.1 B	15.7B	30
31	21.7B		118 B		43.2		9.27	8.90		13.7		15.6B	31
TOTAL	660.4	573.4	1 387.4	2 243.4	1 800.6	758.8	289.00	300.86	231.20	334.27	569.17	512.8	TOTAL
MEAN	21.3	20.5	44.8	74.8	58.1	25.3	9.32	9.71	7.71	10.8	19.0	16.5	MEAN
MAX	22.4	22.1	118	180	82.4	42.3	10.2	12.1	8.70	13.7	26.3	18.1	MAX
MIN	18.1	18.4	15.3	42.1	43.2	10.3	7.87	8.40	7.26	8.15	9.87	14.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 36.5
MAXIMUM DAILY, 180B ON APR 4
MINIMUM DAILY, 7.26 ON SEP 18
MAXIMUM INSTANTANEOUS,
183B AT 21:37 CST ON APR 3

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 39 N
LONG 101 02 05 W
DRAINAGE AREA, 76 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	57 100	JUL	25 000
FEB	49 500	AUG	26 000
MAR	120 000	SEP	20 000
APR	194 000	OCT	28 900
MAY	155 000	NOV	49 200
JUN	65 600	DEC	44 300

TOTAL DISCHARGE, 835 000 dam³

ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	27.8B	28.8B	27.2B	182B	150	116	34.5	26.2	22.4	13.1	25.4	24.4B	1
2	28.7B	28.0B	26.6B	182	145	101	33.7	26.0	22.6	13.2	25.9	24.7B	2
3	28.0B	27.6B	26.7B	180	137	95.4	32.6	25.6	22.8	13.3	26.4	24.8B	3
4	28.8B	27.4B	26.7B	189	131	102	29.5	25.2A	22.6	13.3	21.6B	24.8B	4
5	28.7B	26.2B	26.7B	145	139	100	26.8	24.9	22.3	13.4	27.2B	25.2B	5
6	28.2B	25.9B	26.5B	159	170	86.1	28.3	25.3	22.0	15.4	22.1B	25.4B	6
7	28.1B	27.0B	26.5B	186	131	93.0	28.5	25.5A	22.1	17.5	24.3B	25.6B	7
8	28.6B	26.8B	26.7B	188	151	76.0	27.2	24.7	21.8	17.6	14.3B	25.7B	8
9	26.2B	26.6B	26.7B	193	146	74.5	25.7	23.6	21.9	17.8	10.0B	25.5B	9
10	26.4B	27.1Z	26.1B	191	143	79.2	27.6	22.0	21.9	18.0	11.0B	24.3B	10
11	28.4B	26.9B	25.3B	186	144	80.3	30.7A	22.9	22.0	18.3	11.4B	21.9B	11
12	28.3B	25.8B	25.0B	181	145	75.3	36.2	22.3	20.4	18.5	11.7B	21.2B	12
13	28.1B	26.1B	26.8B	172	144	71.3	34.9	21.0	18.3	18.8	12.1B	21.5B	13
14	27.7B	26.8B	26.6B	159	146	68.9	32.2	21.6	18.4	19.0	13.1B	21.8B	14
15	27.0B	27.5B	26.5B	142	163	68.8	30.6	22.4	18.6	19.0	16.5B	21.5B	15
16	26.6B	27.1B	26.1B	135	187	67.3	30.2	23.0	18.7	19.6	19.3B	20.4B	16
17	27.8B	26.8B	26.0B	136	187	66.2	30.6	23.6	19.5	20.0	20.5B	20.8B	17
18	28.3B	26.2B	26.7B	137	185	64.6	30.9	24.1	21.7	20.2	20.9B	20.8B	18
19	28.5B	25.8B	32.4B	136	182	63.1	30.2	24.5	26.3	20.5	20.8B	21.3B	19
20	28.2B	25.8B	32.8B	136	178	62.8	30.9	24.6	27.7	20.8	20.6B	21.4B	20
21	27.8B	25.7B	35.8B	144	173	61.0	31.5	24.8	27.9	21.1	20.8B	21.2B	21
22	26.6B	25.9B	41.1B	157	166	55.7	30.1	24.9A	26.9	21.4	20.8B	21.3B	22
23	26.8B	26.0B	49.3B	155	158	45.4	29.7	25.3	25.5	21.6	20.6B	21.2B	23
24	26.2B	26.2B	66.8B	149	151	41.9	28.5	25.6	21.5	22.1	21.3B	21.2B	24
25	26.5B	26.0B	82.3B	145	145	41.7	27.3	24.7	18.1	22.5	22.7B	20.9B	25
26	27.4B	26.5B	100 B	143	139	40.1	26.4	24.7	18.2	22.9	23.9B	20.9B	26
27	27.7B	26.9B	133 B	141	135	36.3	26.2	24.4	18.1	23.3	24.0B	21.3B	27
28	27.8B	27.5B	145 B	141	125A	32.8	26.1	23.8	17.9	23.7	24.2B	21.1B	28
29	25.4B		139 B	139	117	33.5	25.9	23.1	14.6	24.1	24.2B	20.5B	29
30	25.6B		110 B	144	122	33.3	26.7	22.6	13.0	24.5	24.3B	20.5B	30
31	28.1B		147 .		119		26.3	22.6		25.0		20.7B	31
TOTAL	863.9	746.7	1 591.7	4 743	4 854	2 043.5	916.5	745.5	635.7	599.7	612.3	694.1	TOTAL
MEAN	27.9	26.7	51.3	158	150	68.1	29.6	24.0	21.2	19.3	20.4	22.4	MEAN
MAX	29.0	28.5	147	193	187	116	36.2	26.2	27.9	25.0	32.1	25.7	MAX
MIN	25.4	25.6	25.0	135	117	32.8	25.7	21.0	13.0	13.1	10.0	20.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 51.6
MAXIMUM DAILY, 193 ON APR 1
MINIMUM DAILY, 10.0B ON NOV 9
MAXIMUM INSTANTANEOUS,
205 AT 22:13 CST ON APR 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 09 N
LONG 98 15 48 W
DRAINAGE AREA, 152 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	74 500	JUL	79 200
FEB	64 500	AUG	64 400
MAR	138 000	SEP	54 900
APR	410 000	OCT	51 800
MAY	402 000	NOV	52 900
JUN	177 000	DEC	60 000

TOTAL DISCHARGE, 1 630 000 dam³

ASSINIBOINE RIVER NEAR RUSSELL - STATION NO. 05ME001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.1B	17.1B	10.4 B	32.9	33.4	32.2	3.21	3.17	5.21	5.57	6.12	11.9 B	1
2	16.0B	16.9B	10.6 B	36.1	33.3	32.6	3.18	3.93	5.23	5.64	6.12	12.4 B	2
3	15.9B	16.8B	10.7 B	33.0	33.3	32.2	3.19	5.22	5.33	5.62	6.18A	12.0 B	3
4	15.9B	16.1B	8.71B	24.7	33.3	32.1	3.15	5.28	5.32	5.69	8.58E	9.00B	4
5	15.8B	15.8B	7.45B	22.3	34.4	32.2	3.68	5.36	5.31	5.64	10.0 A	12.6 B	5
6	12.7B	16.0B	6.73B	19.0	35.2	32.3	3.49	7.93	5.35	5.66	12.5	12.8 B	6
7	16.0B	15.4B	5.42B	17.4	34.3	32.0	3.75	7.29	5.37	5.74	14.3	14.6 B	7
8	17.2B	11.3B	6.60B	15.7	34.2	31.8	3.18	6.06	5.38	5.70	14.6 B	14.7 B	8
9	17.1B	14.1B	9.98B	13.2	34.3	31.9	3.10	5.84	5.42	5.88	13.9 B	11.4 B	9
10	15.7B	15.5B	9.80B	11.6	34.7	31.8	3.28	6.15	5.47	5.83	15.6 B	14.5 B	10
11	15.5B	17.0B	15.4 B	14.0	34.1	31.4	3.28	6.41	5.54	5.77	18.6 B	16.5 B	11
12	14.9B	15.4B	18.4 B	17.9	34.0	23.1	3.19	6.32	5.85	5.74	18.3 B	15.2 B	12
13	14.7B	16.4B	19.3 B	18.4	33.8	14.8	3.13	6.13	5.52	5.78	20.1 B	15.4 B	13
14	14.7B	14.1B	16.9 B	17.5	33.7	9.03	3.16	6.04	5.51	5.83	21.1 B	16.3 B	14
15	14.6B	15.7B	16.7	17.6	33.5	7.46	3.07	5.93	5.48	5.83	14.8 B	16.1 B	15
16	14.8B	15.1B	17.6	22.3	33.4	7.20	3.07	5.78	5.54	5.85	17.0 B	15.5 B	16
17	14.9B	15.1B	17.5	27.8	33.2	6.35	3.15	5.70	5.57	5.88	16.6 B	15.5 B	17
18	15.5B	14.6B	17.5	29.3	33.1	3.79	3.12	5.65	5.53	5.96	15.9 B	15.3 B	18
19	16.1B	14.9B	17.3	33.3	33.1	3.62	3.08	5.65	5.52	5.82	15.7 B	14.0 B	19
20	16.8B	12.0B	17.3	34.2	33.0	3.72	3.08	5.53	5.53	5.95	15.4 B	13.8 B	20
21	16.5B	15.1B	17.5	34.1	32.8	3.54	3.07	5.45	5.57	6.00	14.9 B	14.4 B	21
22	15.0B	15.6B	20.4	33.8	32.8	3.42	3.03	5.45	5.56	6.02	13.8 B	15.5 B	22
23	15.6B	14.9B	19.3	34.0	32.8	3.36	3.08	5.36	5.53	6.04	13.0 B	14.9 B	23
24	14.5B	14.6B	18.4	34.0	32.7	3.30	3.08	5.44	5.54	6.06	12.8 B	15.0 B	24
25	17.7B	14.6B	17.9	33.9	32.7	3.36	3.04	5.37	5.56	6.08	12.7 B	14.6 B	25
26	12.1B	11.9B	17.5	33.7	32.6	4.31	3.13	5.33	5.58	6.11	12.2 B	14.4 B	26
27	16.2B	10.5B	16.9	33.6	32.6	3.35	3.08	5.30	5.61	6.11	12.0 B	14.4 B	27
28	16.1B	10.3B	20.4	33.7	32.5	3.22	3.08	5.29	5.57	6.13	12.0 B	14.3 B	28
29	16.6B		26.1	33.5	32.4	3.20	3.14	5.28	5.61	6.11	12.1 B	14.4 B	29
30	14.8B		36.2	33.5	32.3	3.20	3.20	5.27	5.58	6.12	12.1 B	14.5 B	30
31	16.2B		28.6		32.2		3.12	5.27		6.28		14.3 B	31
TOTAL	483.2	413.1	504.49	796.0	1 033.8	464.95	98.17	174.18	164.59	182.36	410.08	440.20	TOTAL
MEAN	15.6	14.8	16.3	26.5	33.3	15.5	3.17	5.62	5.49	5.88	13.7	14.2	MEAN
MAX	18.1	17.1	36.2	36.1	35.2	32.6	3.68	7.93	5.68	6.28	21.1	16.5	MAX
MIN	12.1	10.3	5.42	11.6	32.2	3.20	3.03	3.17	5.21	5.57	6.12	9.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.2
MAXIMUM DAILY, 36.2 ON MAR 30
MINIMUM DAILY, 3.03 ON JUL 22
MAXIMUM INSTANTANEOUS,
38.8 AT 08:36 CST ON MAR 30

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 35 N
LONG 101 25 10 W
DRAINAGE AREA, 19 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	41 700	JUL	9 480
FEB	35 700	AUG	15 000
MAR	43 600	SEP	14 200
APR	88 800	OCT	15 800
MAY	89 300	NOV	35 400
JUN	40 200	DEC	38 000

TOTAL DISCHARGE, 446 000 dam³

ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE - STATION NO 05KG005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	291.748	---	291.791	291.794	291.876	292.044	291.977	291.957	291.893	29..853	291.818	291.788	1
2	291.748	---	291.788	291.792	291.877	292.054	291.966	291.956	291.882	291.850	291.806	291.808	2
3	291.752	---	291.789	291.790	291.872	292.057	291.976	291.951	291.805	291.841	291.804	291.805	3
4	291.750	---	291.782	291.794	291.881	292.048	291.972	291.942	291.893	291.845	291.803	291.787	4
5	291.750	---	291.785	291.790	291.884	292.048	291.972	291.941	291.894	291.841	291.809	291.805	5
6	291.748	---	291.786	291.793	291.890	292.049	291.995	291.947	291.895	291.838	291.803	291.801	6
7	291.748	---	291.782	291.797	291.889	292.053	291.977	291.948	291.885	291.856	291.784	291.802	7
8	291.753	---	291.778	291.792	291.893	292.041	291.970	291.946	291.888	291.851	291.791	291.801	8
9	291.754	---	291.778	291.795	291.897	292.041	291.985	291.944	291.883	291.835	291.784	291.818	9
10	291.748	---	291.783	291.798	291.907	292.040	291.955	291.942	291.858	291.840	291.792	291.818	10
11	291.751	---	291.788	291.801	291.915	292.043	291.948	291.938	291.881	291.838	291.787	291.819A	11
12	291.750	291.788A	291.786	291.810	291.933	292.086	291.985	291.938	291.886	291.831	291.784	291.817	12
13	291.753	291.778A	291.789	291.808	291.936	292.059	291.958	291.936	291.867	291.830	291.776	291.823	13
14	291.749	291.783	291.790	291.810	291.949	292.052	291.967	291.935	291.861	291.825	291.781	291.825	14
15	291.753	291.786	291.790	291.810	291.963	292.037	291.958	291.936	291.855	291.825	291.775	291.822	15
16	291.758	291.783	291.787	291.810	291.976	292.029	291.953	291.939	291.854	291.820	291.778	291.823	16
17	291.758	291.787	291.787	291.814	291.980	292.025	291.938	291.923	291.861	291.829	291.780	291.820	17
18	291.753	291.785	291.786	291.819	291.983	292.027	291.952	291.921	291.859	291.827	291.7[illegible]	291.822	18
19	291.754	291.785	291.781	291.822	291.992	292.024	291.947	291.930	291.857	291.826	291.780	291.817	19
20	291.760	291.782	291.781	291.818	292.000	292.035	291.946	291.931	291.855	291.824	291.778	291.811	20
21	291.760	291.785	291.780	291.814	292.001	292.032	291.944	291.913	291.8[illegible]	291.825	291.785	291.813	21
22	291.758	291.783	291.784	291.824	292.004	292.026	291.931	291.916	291.855	291.822	291.787	291.812	22
23	291.756	291.783	291.778	291.831	292.014	292.016	291.935	291.910	291.858	291.825	291.775	291.804	23
24	---	291.779	291.780	291.842	292.023	292.011	291.954	291.912	291.840	291.828	291.787	291.811	24
25	---	291.784	291.782	291.845	292.028	292.016	291.944	291.909	291.798	291.825	291.797	291.803	25
26	---	291.790	291.778	291.850	292.034	292.017	291.945	291.905	291.815	291.813	291.788	291.804	26
27	---	291.790	291.784	291.850	292.039	292.018	291.930	291.903	291.843	291.805	291.780	291.807	27
28	---	291.789	291.785	291.856	292.042	291.998	291.930	291.904	291.845	291.813	291.785	291.805	28
29	---		291.785	291.872	292.040	291.991	291.944	291.906	291.853	291.816	291.782	291.803	29
30	---		291.792	291.872	292.039	291.990	291.945	291.907	291.857	291.813	291.785	291.805	30
31	---		291.794		292.041		291.954	291.907		291.825		291.805	31
MEAN	---	---	291.785	291.817	291.881	292.033	291.9[illegible]	291.928	291.882	291.830	291.790	291.810	MEAN
MAX	---	---	291.794	291.872	292.042	292.086	291.995	291.957	291.905	291.856	291.818	291.825	MAX
MIN	---	---	291.778	291.790	291.872	291.990	291.930	291.903	291.798	291.805	291.775	291.795	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 292.086 ON JUN 12
MINIMUM DAILY, 291.746 ON JAN 2
MAXIMUM INSTANTANEOUS,
292.121 AT 16:30 CST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 00 N
LONG 101 23 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

BACK LAKE NEAR OXFORD HOUSE - STATION NO 04AA003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.344	187.383	187.381	187.304	187.248	187.977	187.773	187.589	187.481	187.372	---	---	1
2	187.348	187.384	187.367	187.297	187.281	187.971	187.782	187.599	187.482	187.365	---	---	2
3	187.347	187.388	187.384	187.284	187.270	187.968	187.750	187.582	187.485	187.362	---	---	3
4	187.345	187.375	187.348	187.279	187.273	187.958	187.754	187.589	187.480	187.362	---	---	4
5	187.347	187.380	187.334	187.274	187.288	187.956	187.726	187.564	187.487	187.362	---	---	5
6	187.348	187.383	187.332	187.268	187.309	187.953	187.822	187.567	187.492	187.383	---	---	6
7	187.350	187.380	187.327	187.258	187.334	187.888	187.812	187.580	187.508	187.354	---	---	7
8	187.354	187.374	187.321	187.246	187.366	187.837	187.770	187.591	187.483	187.342	---	---	8
9	187.357	187.376	187.316	187.236	187.383	187.824	187.784	187.573	187.477	187.332	---	---	9
10	187.359	187.371	187.318	187.212	187.413	187.889	187.745	187.577	187.486	187.335	---	---	10
11	187.362	187.372	187.320	187.176	187.454	187.910	187.731	187.583	187.481	187.333	---	---	11
12	187.372	187.372	187.320	187.179	187.488	187.925	187.724	187.578	187.480	187.336	---	---	12
13	187.373	187.388	187.321	187.185	187.566	187.925	187.707	187.556	187.459	187.333	---	---	13
14	187.374	187.385	187.321	187.183	187.610	187.936	187.702	187.530	187.456	187.289	---	---	14
15	187.380	187.381	187.319	187.185	187.643	187.916	187.71[illegible]	187.542	187.454	187.312	---	---	15
16	187.387	187.356	187.325	187.183	187.684	187.884	187.703	187.566	187.453	187.301	---	---	16
17	187.390	187.351	187.325	187.180	187.764	187.893	187.680	187.567	187.452A	187.307	---	---	17
18	187.386	187.359	187.317	187.175	187.787	187.888	187.696	187.571	187.423	187.317A	---	---	18
19	187.390	187.357	187.310	187.175	187.822	187.866	187.695	187.550	187.441	---	---	---	19
20	187.390	187.357	187.307	187.177	187.859	187.867	187.668	187.562	187.442	---	---	---	20
21	187.390	187.353	187.305	187.175	187.885	187.885	187.683	187.548	187.433	---	---	---	21
22	187.385	187.348	187.301	187.183	187.915	187.849	187.660	187.543	187.424	---	---	---	22
23	187.376	187.352	187.306	187.180	187.933	187.835	187.[illegible]	187.538	187.415	---	---	---	23
24	187.387	187.346	187.308	187.200	187.948	187.843	187.[illegible]	187.536	187.411	---	---	---	24
25	187.370	187.343	187.305	187.210	187.958	187.836	187.644	187.540	187.384	---	---	---	25
26	187.366	187.346	187.308	187.207	187.975	187.836	187.638	187.538	187.328	---	---	---	26
27	187.362	187.354	187.316	187.195	187.984	187.830	187.625	187.518	187.337	---	---	---	27
28	187.363	187.355	187.321	187.189	187.990	187.813	187.604	187.516	187.355	---	---	---	28
29	187.362		187.326	187.216	187.978	187.793	187.603	187.512	187.373	---	---	---	29
30	187.364		187.318	187.237	187.950	187.804	187.604	187.491	187.376	---	---	---	30
31	187.363		187.311		187.881		187.585	187.502		---		---	31
MEAN	187.367	187.362	187.323	187.215	187.855	187.884	187.687	187.554	187.439	---	---	---	MEAN
MAX	187.390	187.383	187.367	187.304	187.990	187.977	187.822	187.599	187.508	---	---	---	MAX
MIN	187.344	187.343	187.301	187.175	187.248	187.793	187.585	187.491	187.328	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 187.990 ON MAY 28
MINIMUM DAILY, 187.175 ON APR 18
MAXIMUM INSTANTANEOUS,
188.003 ON MAY 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 30 N
LONG 95 14 50 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -158.857 M ADJUSTMENT TO CONVERT TO ASSUMED DATUM

BADGER CREEK NEAR CARTWRIGHT - STATION NO. 05DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0118	0.0058	0.0048	2.28	1.95	0.167	1.77	0.382	0.090	0.102	2.44	0.2188	1
2	0.0108	0.0058	0.0048	2.05	1.85	0.117	1.52	0.335	0.086	0.075	2.25	0.2278	2
3	0.0108	0.0058	0.0068	2.17	1.67	0.312	1.39	0.294	0.092	0.069	2.56	0.2448	3
4	0.0098	0.0058	0.0088	2.15	1.86	0.543	1.41	0.273	0.098	0.058	2.39	0.2468	4
5	0.0098	0.0058	0.0078	1.90	1.87	0.300	1.30	0.371	0.089	0.051	2.31	0.2638	5
6	0.0098	0.0048	0.0078	1.85	3.17	0.237	1.10	0.352	0.090	0.045	2.11	0.3098	6
7	0.0098	0.0048	0.0088	1.53	3.11	0.199	0.847	0.314	0.083	0.044	1.85	0.3938	7
8	0.0088	0.0048	0.0078	1.35	2.45	0.198	0.785	0.282	0.085	0.044	1.12	0.3798	8
9	0.0068	0.0058	0.0088	1.18	2.70	0.288	0.678	0.284	0.081	0.043	0.311	0.3028	9
10	0.0078	0.0048	0.0088	1.07	3.91	0.289	0.653	0.276	0.058	0.041	0.228	0.3438	10
11	0.0078	0.0048	0.0058	0.880	3.54	0.210	0.795	0.281	0.057	0.040	0.171	0.3418	11
12	0.0078	0.0048	0.0088	0.907	3.08	0.152	0.789	0.230	0.057	0.039	0.148	0.2078	12
13	0.0078	0.0048	0.0078	0.788	2.48	0.144	0.893	0.214	0.055	0.038	0.1218	0.1488	13
14	0.0078	0.0048	0.0118	0.888	2.08	0.122	0.810	0.212	0.053	0.037	0.1218	0.1198	14
15	0.0078	0.0048	0.0178	0.512	1.80	0.089	0.848	0.202	0.051	0.039	0.1138	0.0868	15
16	0.0078	0.0038	1.28 B	0.358	1.85	0.112	0.807	0.185	0.048	0.041	0.0888	0.0788	16
17	0.0078	0.0038	5.45 B	0.658	1.46	0.095	0.782	0.172	0.054	0.039	0.1038	0.0628	17
18	0.0078	0.0048	6.14 B	2.03	1.27	0.094	0.856	0.177	0.055	0.038	0.1488	0.0518	18
19	0.0078	0.0048	4.60 B	5.07	1.10	0.098	0.859	0.147	0.085	0.035	0.1878	0.0438	19
20	0.0088	0.0038	6.44 B	5.62	0.858	0.083	0.778	0.134	0.071	0.032	0.2078	0.0378	20
21	0.0088	0.0038	3.91 B	5.11	0.842	1.52	0.740	0.137	0.073	0.031	0.2218	0.0328	21
22	0.0078	0.0048	5.47 B	4.07	0.816	1.94	0.660	0.125	0.181	0.030	0.2348	0.0288	22
23	0.0078	0.0048	4.53	3.12	0.785	5.07	0.573	0.121	0.184	0.034	0.2398	0.0278	23
24	0.0068	0.0038	5.01	2.40	0.763	5.92	0.528	0.129	0.085	0.034	0.2398	0.0278	24
25	0.0068	0.0038	5.77	2.01	0.880	5.37	0.484	0.121	0.081	0.040	0.2428	0.0288	25
26	0.0068	0.0038	4.15	1.73	0.801	4.43	0.469	0.113	0.076	0.037	0.2348	0.0258	26
27	0.0068	0.0038	4.72	1.56	0.555	3.59	0.413	0.111	0.078	0.037	0.2248	0.0248	27
28	0.0068	0.0038	4.37	1.48	0.413	3.14	0.501	0.097	0.078	0.038	0.2228	0.0238	28
29	0.0068		3.86	1.39	0.334	2.59	0.518	0.081	0.078	0.978	0.2228	0.0238	29
30	0.0068		3.21	1.72	0.324	2.14	0.422	0.082	0.131	2.86	0.2228	0.0208	30
31	0.0058		2.76		0.222		0.398	0.080		2.83		0.0188	31
TOTAL	0.226	0.109	71.578	59.541	50.124	42.450	25.557	6.302	2.413	7.700	21.406	4.375	TOTAL
MEAN	0.007	0.004	2.31	1.98	1.62	1.42	0.824	0.203	0.080	0.248	0.714	0.141	MEAN
MAX	0.011	0.005	6.44	5.62	3.91	5.92	1.77	0.382	0.184	2.83	2.56	0.393	MAX
MIN	0.005	0.003	0.004	0.358	0.222	0.083	0.398	0.080	0.049	0.030	0.098	0.015	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.789
MAXIMUM DAILY, 6.44B ON MAR 20
MINIMUM DAILY, 0.0038 ON FEB 16
MAXIMUM INSTANTANEOUS,
8.17B AT 22:36 CST ON MAR 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 16 N
LONG 99 19 22 W
DRAINAGE AREA, 1 510 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19.5	JUL	2 210
FEB	9.42	AUG	544
MAR	6 180	SEP	208
APR	5 140	OCT	665
MAY	4 330	NOV	1 850
JUN	3 670	DEC	378

TOTAL DISCHARGE, 25 200 dam³

BALD HILL RESERVOIR NEAR MCCREARY - STATION NO. 05LJ803

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	710.730A	708.870	708.8..	708.855	---	708.864	---	---	1
2	---	---	---	---	711.789	708.867	708.828	708.855	---	708.870	---	---	2
3	---	---	---	---	711.891	708.864	708.831	708.849	---	708.895	---	---	3
4	---	---	---	---	710.769	708.858	708.831	708.849	---	708.895	---	---	4
5	---	---	---	---	710.004	708.855	708.855	708.849	---	708.883	---	---	5
6	---	---	---	---	710.577	708.855	708.858	708.846	---	708.876	---	---	6
7	---	---	---	---	711.156	708.855	708.840	708.876	---	708.880	---	---	7
8	---	---	---	---	711.050	708.858	708.834	708.867	---	708.883	---	---	8
9	---	---	---	---	711.041	708.861	708.834	708.855	---	708.876	---	---	9
10	---	---	---	---	711.068	708.858	708.855	708.852	---	708.873	---	---	10
11	---	---	---	---	711.050	708.855	708.953	708.846	---	708.873	---	---	11
12	---	---	---	---	710.985	708.849	---	708.840	708.851	708.867	---	---	12
13	---	---	---	---	710.918	708.846	---	708.837	708.857	708.867	---	---	13
14	---	---	---	---	710.824	708.846	---	708.834	708.848	708.867	---	---	14
15	---	---	---	---	710.721	708.843	---	708.834	708.845	708.870	---	---	15
16	---	---	---	---	710.588	708.840	708.959	708.831	708.855	708.870	---	---	16
17	---	---	---	---	710.458	708.837	708.851	708.825	708.809	708.867	---	---	17
18	---	---	---	---	710.343	708.837	708.870	708.800	708.788	708.864	---	---	18
19	---	---	---	---	710.202	708.843	708.852	708.788	708.751	708.851	---	---	19
20	---	---	---	---	710.047	708.843	708.846	708.742	708.751	708.861	---	---	20
21	---	---	---	---	709.851	708.840	708.843	708.654	708.800	708.858	---	---	21
22	---	---	---	---	---	708.834	708.840	708.630	708.809	708.858	---	---	22
23	---	---	---	---	---	708.834	708.837	708.627	708.784	708.858A	---	---	23
24	---	---	---	---	---	708.831	708.837	708.642	708.748	---	---	---	24
25	---	---	---	---	---	708.846	708.834	708.784	709.038	---	---	---	25
26	---	---	---	---	708.870	708.892	708.880	708.784	709.843	---	---	---	26
27	---	---	---	---	708.867	708.851	708.876	708.697	709.287	---	---	---	27
28	---	---	---	---	708.858	708.843	708.864	708.657	708.901	---	---	---	28
29	---		---	---	708.851	708.837	708.855	708.845	708.883	---	---	---	29
30	---		---	---	708.867	708.834	708.881	708.836	708.870	---	---	---	30
31	---		---		708.864		708.858	708.827		---		---	31
MEAN	---	---	---	---	---	708.850	---	708.778	---	---	---	---	MEAN
MAX	---	---	---	---	---	708.892	---	708.876	---	---	---	---	MAX
MIN	---	---	---	---	---	708.831	---	708.827	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 16 N
LONG 99 40 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BARRINGTON RIVER BELOW FIRST RAPIDS - STATION NO. 08EB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.28	1.91	1.42	1.33	4.05	18.8	20.5	26.4	21.5	14.1	---	---	1
2	2.31	1.91	1.43	1.26	4.22	18.8	20.3	26.2	21.2	14.1	---	---	2
3	2.33	1.89	1.45	1.26	4.34	18.7	19.7	25.9	20.9	13.8	---	---	3
4	2.32	1.87	1.47	1.27	4.85	18.4	19.5	25.8	20.6	14.1A	---	---	4
5	2.27	1.85	1.50	1.23	5.43	18.3	19.7	25.6	20.6	---	---	---	5
6	2.22	1.84	1.49	1.29	6.29	18.3	22.2	25.5	20.6	---	---	---	6
7	2.20	1.83	1.47	1.32	7.27	18.3	25.9	25.6	20.4	---	---	---	7
8	2.20	1.83	1.45	1.35	8.37	18.3	28.2	25.7	19.9	---	---	---	8
9	2.19	1.82	1.37	1.42	10.1	18.2	28.5	25.7	19.6	---	---	---	9
10	2.18	1.81	1.39	1.46	12.1	18.1	28.0	25.7	19.2	---	---	---	10
11	2.17	1.71	1.40	1.83	14.3	18.2	27.5	25.7	19.0	---	---	---	11
12	2.17	1.72	1.40	2.02	17.0	18.7	27.0	25.6	18.8	---	---	---	12
13	2.18	1.70	1.40	2.00	19.8	21.0	26.4	25.3	18.5	---	---	---	13
14	2.12	1.66	1.41	1.90	21.1	22.0	25.9	25.0	18.3	---	---	---	14
15	2.14	1.63	1.42	1.87	22.5	22.2	25.2	24.8	17.8	---	---	---	15
16	2.14	1.61	1.43	1.83	23.8	22.0	24.9	24.9	17.5	---	---	7.28A	16
17	2.13	1.59	1.43	1.86	24.8	22.0	24.9	24.8	17.4	---	---	7.25	17
18	2.12	1.56	1.41	1.90	24.8	21.9	25.0	24.9	17.2	---	---	7.19	18
19	2.09	1.53	1.37	1.91	24.2	21.6	25.1	25.0	16.8	---	---	7.13	19
20	2.08	1.51	1.33	1.82	23.6	21.7	25.0	25.0	16.6	---	---	7.08	20
21	2.08	1.49	1.28	1.85	23.1	21.5	24.8	24.9	16.3	---	---	7.00	21
22	2.05	1.45	1.30	1.99	22.5	21.2	24.5	24.8	16.1	---	---	6.94	22
23	2.01	1.41	1.29	2.01	22.0	21.0	24.5	24.7	15.9	---	---	6.83	23
24	1.99	1.39	1.28	2.00	21.4	21.0	25.0	24.7	15.8	---	---	6.91	24
25	1.98	1.38	1.29	2.03	20.9	21.0	25.7	24.4	15.0	---	---	6.78	25
26	1.97	1.40	1.30	2.06	20.6	21.0	26.4	23.8	14.1	---	---	6.75	26
27	1.98	1.40	1.31	2.33	20.3	20.8	26.7	23.5	14.2	---	---	6.77	27
28	1.93	1.41	1.33	2.63	19.9	20.7	26.7	23.1	14.2	---	---	6.78	28
29	1.92		1.35	3.35	19.1	20.7	26.8	22.7	14.2	---	---	6.84	29
30	1.91		1.37	3.82	18.9	20.7	26.8	22.4	14.1	---	---	6.89	30
31	1.90		1.39		18.8		26.7	22.3		---		6.88	31
TOTAL	65.56	46.11	42.91	58.45	510.32	606.2	774.1	770.6	532.1	---	---	---	TOTAL
MEAN	2.11	1.65	1.38	1.88	16.5	20.2	25.0	24.9	17.7	---	---	---	MEAN
MAX	2.33	1.91	1.50	3.82	24.8	22.2	28.5	26.4	21.5	---	---	---	MAX
MIN	1.90	1.38	1.26	1.26	4.05	18.1	19.5	22.3	14.1	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 28.5 ON JUL 9
MINIMUM DAILY, 1.26 ON MAR 21
MAXIMUM INSTANTANEOUS,
28.7 ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 45 50 N
LONG 99 58 25 W
DRAINAGE AREA, 1 770 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 660	JUL	66 900
FEB	3 980	AUG	66 600
MAR	3 710	SEP	46 000
APR	4 880	OCT	---
MAY	44 100	NOV	---
JUN	52 400	DEC	---

BEAVER CREEK EAST OF BEAVER - STATION NO. 05LL028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.13 B	4.81	0.033	0.003	0.025	0	0	---	---	1
2	---	---	0 B	3.78	3.33	0.032	0.003	0.023	0	0	---	---	2
3	---	---	0 B	2.71	1.88	0.029	0.004	0.021	0	0	---	---	3
4	---	---	0 B	2.21	1.16	0.020	0.004	0.018	0	0	---	---	4
5	---	---	0 B	1.82	4.45	0.015	0.006	0.016	0	0	---	---	5
6	---	---	0 B	1.49	15.6	0.013	0.004	0.015	0	0	---	---	6
7	---	---	0 B	1.28	11.8	0.019	0.002	0.014	0	0	---	---	7
8	---	---	0 B	1.03	8.92	0.011	0.001	0.012	0	0	---	---	8
9	---	---	0 B	0.839	4.15	0.007	0	0.011	0	0	---	---	9
10	---	---	0 B	0.744	3.17	0.007	0.007	0.010	0	0	---	---	10
11	---	---	0 B	0.533	2.49	0.007	1.03	0.009	0	0	---	---	11
12	---	---	0 B	0.450B	2.47	0.005	2.48	0.008	0	0	---	---	12
13	---	---	0 B	0.400B	2.88	0.003	1.14	0.008	0	0	---	---	13
14	---	---	0 B	0.350B	2.48	0.002	0.886	0.009	0	0	---	---	14
15	---	---	0 B	0.300B	1.67	0.001	0.678	0.008	0	0	---	---	15
16	---	---	0 B	0.275B	1.37	0.001	0.449	0.005	0	0	---	---	16
17	---	---	0 B	0.255	1.00	0.001	0.342	0.003	0	0	---	---	17
18	---	---	0 B	3.04	0.803	0	2.81	0.002	0	0	---	---	18
19	---	---	0 B	10.4	0.643	0	2.03	0.001	0	0	---	---	19
20	---	---	0 B	7.31	0.588	0	0.929	0	0	0	---	---	20
21	---	---	0.0028	3.74	0.546	0	2.07	0.016	0	0	---	---	21
22	---	---	0.0038	2.10	0.477	0	1.87	0.150	0	0	---	---	22
23	---	---	0.0188	1.41	0.280	0	1.32	0.031	0	0	---	---	23
24	---	---	0.1948	1.22	0.192	0	0.802	0.010	0	0	---	---	24
25	---	---	3.95 B	1.08	0.191	0	0.389	0.004	0	0	---	---	25
26	---	---	6.67 B	0.888	0.185	0	0.188	0.003	0	0	---	---	26
27	---	---	8.58 B	0.839	0.158	0.014	0.095	0.002	0	0	---	---	27
28	---	---	8.92 B	0.573	0.108	0.042	0.080	0.001	0	0.001	---	---	28
29	---		12.1 B	0.688	0.080	0.018	0.080	0	0	0.003	---	---	29
30	---		8.72 B	2.47	0.058	0.007	0.085	0	0	0.002	---	---	30
31	---		6.51 B		0.042		0.038	0		0.002		---	31
TOTAL	---	---	52.678	59.132	77.057	0.287	19.723	0.435	0	0.008	---	---	TOTAL
MEAN	---	---	1.70	1.97	2.49	0.010	0.636	0.014	0	0	---	---	MEAN
MAX	---	---	12.1	10.4	15.6	0.042	2.81	0.150	0	0.003	---	---	MAX
MIN	---	---	0	0.255	0.042	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.854
MAXIMUM DAILY, 15.6 ON MAY 6
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
17.6 AT 05:15 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 00 N
LONG 98 37 40 W
DRAINAGE AREA, 274 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 700
FEB	---	AUG	37.8
MAR	4 550	SEP	0
APR	5 110	OCT	0.69
MAY	6 860	NOV	---
JUN	24.8	DEC	---

TOTAL DISCHARGE, 18 100 dam³

BEAVER LAKE NEAR PINE RIVER - STATION NO. 05LG801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	700.805	700.802	700.775	700.912	---	---	1
2	---	---	---	---	---	---	700.805	700.805	700.772	700.872	---	---	2
3	---	---	---	---	---	700.824A	700.808	700.805	700.772	700.848	---	---	3
4	---	---	---	---	---	---	700.802	700.802	700.772	700.842	---	---	4
5	---	---	---	---	700.821A	---	700.830	700.808	700.772	700.839	---	---	5
6	---	---	---	---	700.821A	---	700.839	700.824	700.769	700.839	---	---	6
7	---	---	---	---	---	---	700.838	700.830	700.766	700.839	---	---	7
8	---	---	---	---	---	---	700.851	700.833	700.763	700.835	---	---	8
9	---	---	---	---	---	---	700.851	700.848	700.763	700.827	---	---	9
10	---	---	---	700.824A	---	700.830A	700.848	700.854	700.760	700.827	---	---	10
11	---	---	---	---	---	---	700.854	700.851	700.763	700.827	---	---	11
12	---	---	---	---	---	---	700.857	700.845	700.781	700.824	---	---	12
13	---	---	---	---	700.854A	---	700.860	700.842	700.781	700.818	---	---	13
14	---	---	700.793A	---	---	---	700.854	700.839	700.781	700.811	---	---	14
15	---	---	---	---	---	---	700.851	700.836	700.778	700.805	---	---	15
16	---	---	---	---	---	---	700.854	700.830	700.781	700.805	---	---	16
17	---	---	---	---	---	---	700.854	700.821	700.787	700.805	---	---	17
18	---	---	---	---	700.824A	700.818A	700.848	700.821	700.784	700.802	---	---	18
19	---	---	---	---	---	700.821	700.836	700.818	700.784	700.802	---	---	19
20	---	---	---	---	700.854A	700.827	700.833	700.811	700.784	700.802	---	---	20
21	---	---	---	---	---	700.824	700.827	700.805	700.784	700.795	---	---	21
22	---	---	---	---	---	700.821	700.821	700.802	700.787	700.795	---	---	22
23	---	---	---	---	---	700.815	700.815	700.799	700.780	700.789	---	---	23
24	---	---	---	---	---	700.815	700.818	700.799	700.780	700.799	---	---	24
25	---	---	---	---	---	700.815	700.815	700.799	700.827	700.789	---	---	25
26	---	---	---	---	---	700.821	700.811	700.793	700.912	700.789	---	---	26
27	---	---	---	---	---	700.821	700.805	700.790	700.976	700.789	---	---	27
28	---	---	---	---	700.824A	700.815	700.805	700.787	700.994	700.789	---	---	28
29	---		---	---	---	700.811	700.798	700.784	700.979	700.795A	---	---	29
30	---		---	---	---	700.808	700.802	700.781	700.955	---	---	---	30
31	---		---		---		700.802	700.778		---		---	31
MEAN	---	---	---	---	---	---	700.829	700.814	700.809	---	---	---	MEAN
MAX	---	---	---	---	---	---	700.860	700.854	700.994	---	---	---	MAX
MIN	---	---	---	---	---	---	700.799	700.778	700.760	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 00 N
LONG 100 45 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED SINCE 1955

DRAINAGE AREA
9.84 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BELL LAKE NEAR OUTLET - STATION NO. 05LF801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	680.408E	680.350E	680.277E	---	---	---	1
2	---	---	---	---	---	---	680.399	680.359E	680.274E	---	---	---	2
3	---	---	---	---	---	680.387A	680.389E	680.365E	680.268	---	---	---	3
4	---	---	---	---	---	680.393E	680.399E	680.375E	680.265E	---	---	---	4
5	---	---	---	---	680.704A	680.402E	680.399E	680.381E	680.262E	---	---	---	5
6	---	---	---	---	---	680.408E	680.402E	680.390	680.259E	---	---	---	6
7	---	---	---	680.234A	---	680.417E	680.402E	680.387E	680.256E	---	---	---	7
8	---	---	---	---	680.788A	680.423E	680.402E	680.384E	680.253E	---	---	---	8
9	---	---	---	---	---	680.433E	680.405	680.381E	680.250E	---	---	---	9
10	---	---	---	---	---	680.442	680.405E	680.378E	680.247	---	---	---	10
11	---	---	---	---	---	680.442E	680.405E	680.372E	680.247E	---	---	---	11
12	---	---	---	---	---	680.439E	680.405E	680.369E	680.247E	---	---	---	12
13	---	---	---	---	---	680.439E	680.402E	680.362	680.244E	---	---	---	13
14	---	---	680.234A	---	---	680.436E	680.402E	680.358E	680.244E	---	---	---	14
15	---	---	---	---	---	680.436E	680.402E	680.350E	680.241E	---	---	---	15
16	---	---	---	---	---	680.433E	680.399	680.344E	680.241E	680.603A	---	---	16
17	---	---	---	---	---	680.429	680.398E	680.335E	680.237	---	---	---	17
18	---	---	---	---	---	680.433E	680.393E	680.329E	680.237E	---	---	---	18
19	---	---	---	---	---	680.436E	680.390E	680.323E	680.237E	---	---	---	19
20	---	---	---	---	680.686A	680.439E	680.387E	680.314	680.241E	---	---	---	20
21	---	---	---	---	---	680.442E	680.384E	680.311E	680.241E	---	---	---	21
22	---	---	---	---	---	680.445E	680.381E	680.308E	680.241E	---	---	---	22
23	---	---	---	---	---	680.448E	680.375	680.305E	680.244E	680.579A	---	---	23
24	---	---	---	---	---	680.451E	680.372E	680.301E	680.244E	---	---	---	24
25	---	---	---	680.844A	---	680.454	680.365E	680.298E	680.247	---	---	---	25
26	---	---	---	---	---	680.448E	680.359E	680.295E	680.298E	---	---	---	26
27	---	---	---	---	680.542A	680.439E	680.356E	680.292	680.350E	---	---	---	27
28	---	---	---	---	---	680.433E	680.350E	680.288E	680.402E	---	---	---	28
29	---		---	---	---	680.423E	680.344E	680.286E	680.454E	---	---	---	29
30	---		---	---	---	680.417E	680.338	680.283E	680.509	---	---	---	30
31	---		---		---		680.344E	680.280E		---		---	31
MEAN	---	---	---	---	---	---	680.388	680.337	680.275	---	---	---	MEAN
MAX	---	---	---	---	---	---	680.408	680.390	680.509	---	---	---	MAX
MIN	---	---	---	---	---	---	680.338	680.280	680.237	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 30 N
LONG 101 13 40 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1955

DRAINAGE AREA
59.1 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BELL RIVER NEAR BELLSITE - STATION NO. 05LF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2608	0.5498	2.51	3.42	0.941	0.619	0.253	3.42	---	---	1
2	---	---	0.2258	0.4418	2.52	3.30	0.836	0.554	0.258	3.11	---	---	2
3	---	---	0.2258	0.4038	3.14	3.01	0.784	0.510	0.323	2.78	---	---	3
4	---	---	0.2258	0.4038	5.08	1.83	0.725	0.550	0.308	2.80	---	---	4
5	---	---	0.2258	0.4148	5.69	2.12	1.12	0.801	0.308	2.44	---	---	5
6	---	---	0.2258	0.4958	4.94	2.85	1.63	1.61	0.286	2.28	---	---	6
7	---	---	0.2258	0.6198	4.76	2.20	1.61	1.48	0.281	2.80	---	---	7
8	---	---	0.2258	0.9838	4.51	1.84	1.36	1.26	0.268	2.73	---	---	8
9	---	---	0.2258	1.69 B	4.94	1.88	1.19	1.16	0.257	2.53	---	---	9
10	---	---	0.2258	1.86 B	6.01	1.85	1.07	1.01	0.270	2.47	---	---	10
11	---	---	0.2258	1.68 B	6.87	1.72	1.15	0.814	0.271	2.37	---	---	11
12	---	---	0.2358	1.48 B	7.10	1.84	1.43	0.671	0.400	2.21	---	---	12
13	---	---	0.2608	1.31 B	7.17	1.75	1.34	0.578	0.376	2.15	---	---	13
14	---	---	0.2908	1.15 B	6.85	1.68	1.29	0.512	0.332	2.10	---	---	14
15	---	---	0.3108	0.9668	7.83	1.53	1.20	0.471	0.335	2.01	---	---	15
16	---	---	0.2958	0.8248	7.87	1.43	1.05	0.463	0.318	1.91	---	---	16
17	---	---	0.2758	1.06 B	6.97	1.32	0.951	0.420	0.323	1.82	---	---	17
18	---	---	0.2608	1.37 B	6.54	1.23	0.864	0.374	0.328	1.75	---	---	18
19	---	---	0.2608	1.71 B	5.38	1.57	0.859	0.369	0.321	1.67	---	---	19
20	---	---	0.2608	2.04 B	5.24	1.95	0.814	0.239	0.315	1.62	---	---	20
21	---	---	0.2608	2.38 B	5.93	1.88	0.759	0.318	0.337	1.58	---	---	21
22	---	---	0.2608	3.11 B	5.52	1.55	0.665	0.293	0.356	1.56	---	---	22
23	---	---	0.2608	3.84 B	5.34	1.54	0.647	0.282	0.362	1.52	---	---	23
24	---	---	0.2608	4.34 B	5.11	1.44	0.607	0.269	0.375	1.50	---	---	24
25	---	---	0.2658	5.40 B	4.90	1.94	0.556	0.273	0.404	1.46	---	---	25
26	---	---	0.2808	6.95 B	4.72	1.76	0.528	0.280	3.94	1.43	---	---	26
27	---	---	0.3108	5.15	4.52	1.55	0.496	0.264	6.09	1.40	---	---	27
28	---	---	0.3878	4.35	4.32	1.33	0.467	0.268	5.07	1.38	---	---	28
29	---		0.4958	3.74	4.16	1.18	0.450	0.285	4.40	1.36	---	---	29
30	---		0.5878	2.76	3.75	1.05	0.577	0.254	3.85	1.348		---	30
31	---		0.7988		3.52		0.567	0.261		1.328		---	31
TOTAL	---	---	8.117	63.577	185.32	55.31	28.633	17.572	31.312	62.64	---	---	TOTAL
MEAN	---	---	0.284	2.12	5.33	1.84	0.924	0.567	1.04	2.02	---	---	MEAN
MAX	---	---	0.798	6.95	7.87	3.42	1.63	1.61	6.09	3.42	---	---	MAX
MIN	---	---	0.225	0.403	2.51	1.05	0.450	0.254	0.253	1.32	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.77
MAXIMUM DAILY, 7.87 ON MAY 16
MINIMUM DAILY, 0.2258 ON MAR 2
MAXIMUM INSTANTANEOUS,
8.20 AT 12:36 CST ON MAY 16

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 36 10 N
LONG 101 02 15 W
DRAINAGE AREA, 170 km²

B - ICE CONDITIONS

REGULATED SINCE 1955

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 470
FEB	---	AUG	1 520
MAR	788	SEP	2 710
APR	5 490	OCT	5 410
MAY	14 300	NOV	---
JUN	4 780	DEC	---

TOTAL DISCHARGE, 37 500 dam³

BERENS RIVER AT OUTLET OF LONG LAKE - STATION NO. 05RD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	40.1	26.9B	20.0B	18.8B	57.1	127	93.0E	45.6	---	---	---	---	1
2	39.8	26.4B	19.8B	19.1B	58.3	129	91.3E	44.8	---	---	---	---	2
3	39.8	26.1B	19.6B	19.3B	59.1	131	88.7A	43.7	---	---	---	---	3
4	39.5	25.6B	19.4B	19.5B	59.9	133	85.9	42.5	---	---	---	---	4
5	38.7	25.4B	19.2B	19.8B	60.8	134	84.5	41.5	---	---	---	---	5
6	38.0	25.0B	19.1B	20.1	65.5	135	83.4	40.8	---	---	---	---	6
7	37.5	24.6B	18.9B	21.0	70.3	135	82.1	41.8	---	---	---	---	7
8	37.5	24.3B	18.8B	22.1	73.1	137	79.4	41.6	---	---	---	---	8
9	37.1	23.8B	18.6B	22.8	76.2	136	77.1	41.5	---	---	---	---	9
10	36.8	23.4B	18.4B	24.2	78.2	137	74.3	40.9	---	---	---	---	10
11	36.3	23.1B	18.3B	25.8	79.7	137	71.7	40.1	---	---	---	---	11
12	35.7B	22.7B	18.2B	27.3	80.8	136	69.6	39.5	---	---	---	---	12
13	35.2B	22.4B	18.3B	28.3	81.5	136	67.6	38.7	---	---	---	---	13
14	34.5B	22.2B	18.1B	29.2	82.5	135	67.0	38.2	---	---	---	---	14
15	34.4B	21.9B	18.1B	30.3	83.3	133	67.5	37.8	---	---	---	---	15
16	33.8B	21.4B	18.0B	31.6	82.9	131	65.0	36.8E	---	---	---	---	16
17	33.3B	21.5B	17.9B	33.0	84.4	129	63.2	35.8E	---	---	---	---	17
18	32.9B	21.3B	17.8B	34.7	86.3	127	61.2	34.7E	---	---	---	---	18
19	32.6B	21.1B	17.6B	37.4	87.3	125	59.3	33.8E	---	---	---	---	19
20	32.2B	20.9B	17.6B	40.2	89.4	123	57.8	32.4E	---	---	---	---	20
21	31.7B	20.7B	17.6B	42.1	91.9	121	55.7	32.0E	---	---	---	---	21
22	30.9B	20.5B	17.6B	43.5	94.8	119	54.2	31.0E	---	---	---	---	22
23	30.4B	20.4B	17.5B	44.3	98.1	117	52.5	30.3E	---	---	---	---	23
24	30.3B	20.3B	17.6B	45.5	101	114	51.6	29.8E	---	---	---	---	24
25	30.0B	20.4B	17.7B	46.4	105	113	50.2	29.6E	---	---	---	---	25
26	28.3B	20.3B	17.9B	47.1	109	109 A	48.5	28.9E	---	---	---	---	26
27	28.8B	20.2B	17.9B	48.4	112	105 E	47.1	27.9E	---	---	---	---	27
28	28.0B	20.1B	17.9B	50.1	116	101 E	47.1	27.1E	---	---	---	---	28
29	27.7B		17.9B	53.3	119	97.6E	47.7	27.0E	---	---	---	---	29
30	27.2B		17.9B	55.4	121	94.4E	46.8	26.8E	---	---	---	---	30
31	27.1B		18.4B		124		46.0	25.7E		---	---	---	31
TOTAL	1 047.2	632.9	567.6	1 000.9	2 688.4	3 737.0	2 036.9	1 109.8	---	---	---	---	TOTAL
MEAN	33.8	22.6	18.3	33.4	86.7	125	65.7	35.8	---	---	---	---	MEAN
MAX	40.1	26.9	20.0	55.4	124	137	93.0	45.6	---	---	---	---	MAX
MIN	27.1	20.1	17.5	18.8	57.1	94.4	46.0	25.7	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 137 ON JUN 8

MAXIMUM INSTANTANEOUS,
137 AT 18:36 CST ON JUN 12

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 12 10 N
LONG 96 06 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	90 500	JUL	176 000
FEB	54 700	AUG	95 900
MAR	49 000	SEP	---
APR	86 500	OCT	---
MAY	232 000	NOV	---
JUN	323 000	DEC	---

BIG GRASS RIVER NEAR GLENELLA - STATION NO. OSLL01S

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0168	15.7 B	17.7	1.81	0.444	0.742	0.027	0.822	---	---	1
2	---	---	0.0158	15.2	19.0	1.67	0.366	0.671	0.028	0.770	---	---	2
3	---	---	0.0158	11.7	18.2	1.63	0.315	0.470	0.017	0.754	---	---	3
4	---	---	0.0148	9.18	17.1	1.52	0.288	0.393	0.011	0.780	---	---	4
5	---	---	0.0138	7.81	19.7	1.38	0.502	0.805	0.009	0.798	---	---	5
6	---	---	0.0128	7.45A	47.6	1.31	1.34	0.987	0.007	0.820	---	---	6
7	---	---	0.0118	7.24E	61.8	1.38	1.95	0.768	0.006	0.828	---	---	7
8	---	---	0.0108	7.03E	66.6	1.30	1.44	0.594	0.007	0.795	---	---	8
9	---	---	0.0098	6.81A	59.2	1.18	0.957	0.443	0.011	0.778	---	---	9
10	---	---	0.0098	6.46	52.3	1.17	0.722	0.390	0.008	1.18	---	---	10
11	---	---	0.0128	6.14	56.2	1.18	0.969	0.257	0.004	1.04	---	---	11
12	---	---	0.0188	4.58	50.7	1.09	1.74	0.182	0.002	0.781	---	---	12
13	---	---	0.0248	3.54B	44.4	0.985	1.91	0.200	0.001	0.710	---	---	13
14	---	---	0.1288	3.02B	36.8	0.846	3.39	0.089	0	0.700	---	---	14
15	---	---	0.5358	2.81B	27.1	0.828	3.88	0.067	0	0.748	---	---	15
16	---	---	0.2658	3.03B	19.8	0.808	3.13	0.434	0.002	0.698	---	---	16
17	---	---	0.1558	4.10	15.2	0.741	2.17	0.285	0.007	0.658	---	---	17
18	---	---	0.1288	5.71	11.7	0.683	1.65	0.139	0.007	0.588	---	---	18
19	---	---	0.1378	17.4	9.72	0.835	1.42	0.110	0.067	0.766	---	---	19
20	---	---	0.2518	23.4	8.18	0.754	1.18	0.087	0.005	0.737	---	---	20
21	---	---	0.2018	16.7	7.13	0.853	0.973	0.186	0.005	0.697	---	---	21
22	---	---	2.18 B	10.4	6.24	0.574	0.824	0.416	0.006	0.700	---	---	22
23	---	---	4.88 B	8.12	5.53	0.548	0.681	0.502	0.004	0.716	---	---	23
24	---	---	2.58 B	7.57	4.93	0.476	0.582	0.487	0	0.891	---	---	24
25	---	---	2.01 B	6.68	4.44	0.435	0.541	0.392	0.018	0.538	---	---	25
26	---	---	1.66 B	5.72	3.95	0.587	0.660	0.347	0.100	0.447	---	---	26
27	---	---	1.27 B	5.23	3.52	0.707	0.878	0.277	0.287	0.408	---	---	27
28	---	---	3.50 B	5.25	3.09	0.796	0.991	0.191	1.05	0.383	---	---	28
29	---		8.59 B	6.13	2.72	0.704	1.09	0.113	1.10	0.397	---	---	29
30	---		10.3 B	8.41	2.35	0.528	0.988	0.056	1.01	0.354	---	---	30
31	---		11.0 B		2.05		0.817	0.033		0.357		---	31
TOTAL	---	---	49.947	248.26	724.95	29.068	38.796	11.113	3.754	21.399	---	---	TOTAL
MEAN	---	---	1.61	8.28	23.4	0.969	1.25	0.358	0.125	0.690	---	---	MEAN
MAX	---	---	11.0	23.4	69.2	1.81	3.88	0.987	1.10	1.18	---	---	MAX
MIN	---	---	0.009	2.81	2.05	0.435	0.288	0.033	0	0.354	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.60
MAXIMUM DAILY, 69.2 ON MAY 9
MINIMUM DAILY, 0 ON SEP 14
MAXIMUM INSTANTANEOUS,
70.1 AT 01 10 CST ON MAY 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 22 N
LONG 98 58 15 W
DRAINAGE AREA, 1 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 350
FEB	---	AUG	960
MAR	4 320	SEP	324
APR	21 400	OCT	1 850
MAY	62 600	NOV	---
JUN	2 510	DEC	---

TOTAL DISCHARGE, 97 300 dam³

BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS - STATION NO. OSKH003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	259.451E	259.402	260.046	259.626	259.849	259.818	259.824	259.884	---	---	1
2	---	---	259.437E	259.465	260.047	259.652	259.828	259.675	259.823	259.881	---	---	2
3	---	---	259.423E	259.506	260.047	259.704	259.844	259.674	259.842	259.874	---	---	3
4	---	---	259.408E	259.551	260.051	259.724	259.847	259.688	259.832	259.895	---	---	4
5	---	---	259.395A	259.637	259.944	259.765	259.847	259.697	259.830	259.888	---	---	5
6	---	---	259.386	259.768	259.915	259.778	259.872	259.706	259.835	259.892	---	---	6
7	---	---	259.372	259.899	259.919	259.783	259.864	259.692	259.835	259.907	---	---	7
8	---	---	259.384	259.946	259.873	259.767	259.857	259.669	259.824	259.905	---	---	8
9	---	---	259.358	259.983	259.790	259.763	259.849	259.658	259.827	259.896	---	---	9
10	---	---	259.356	259.971	259.793	259.751	259.835	259.648	259.824	259.923	---	---	10
11	---	---	259.348	259.970	259.793	259.778	259.832	259.611	259.821	259.905	---	---	11
12	---	---	259.330	259.972	259.801	259.878	259.837	259.556	259.829	259.903	---	---	12
13	---	---	259.317	259.969	259.792	259.867	259.842	259.484	259.832	259.910	---	---	13
14	---	---	259.316	259.975	259.775	259.870	259.849	259.461	259.828	259.913	---	---	14
15	---	---	259.308	259.979	259.758	259.858	259.852	259.440	259.821	259.919	---	---	15
16	---	---	259.295	259.982	259.752	259.860	259.845	259.366	259.818	259.918	---	---	16
17	---	---	259.280	259.987	259.745	259.844	259.822	259.453	259.825	259.918	---	---	17
18	---	---	259.268	259.996	259.729	259.862	259.835	259.807	259.825	259.924	---	---	18
19	---	---	259.253	260.005	259.731	259.848	259.837	259.844	259.825	259.918	---	---	19
20	---	---	259.238	260.004	259.721	259.874	259.830	259.853	259.825	259.915	---	---	20
21	---	---	259.229	260.004	259.702	259.883	259.829	259.840	259.821	259.913	---	---	21
22	---	---	259.225	260.013	259.688	259.883	259.817	259.846	259.829	259.906	---	---	22
23	---	---	259.215	260.027	259.892	259.869	259.827	259.839	259.832	259.913	---	---	23
24	---	---	259.194	260.040	259.701	259.864	259.854	259.841	259.815	259.910	---	---	24
25	---	---	259.185	260.043	259.898	259.883	259.847	259.841	259.787	259.908	---	---	25
26	---	---	259.178	260.042	259.894	259.889	259.849	259.839	259.786	259.911	---	---	26
27	---	---	259.175	260.034	259.884	259.887	259.837	259.838	259.835	259.903	---	---	27
28	---	---	259.178	260.036	259.880	259.870	259.847	259.840	259.847	259.912	---	---	28
29	---		259.209	260.045	259.881	259.881	259.864	259.841	259.880	252.900	---	---	29
30	---		259.263	260.042	259.843	259.863	259.869	259.841	259.886	259.898	---	---	30
31	---		259.329		259.829		259.881	259.841		259.909A		---	31
MEAN	---	---	259.299	259.909	259.780	259.820	259.845	259.711	259.828	259.906	---	---	MEAN
MAX	---	---	259.451	260.045	260.051	259.889	259.881	259.853	259.886	259.924	---	---	MAX
MIN	---	---	259.175	259.402	259.629	259.626	259.817	259.356	259.787	259.874	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.051 ON MAY 4

MAXIMUM INSTANTANEOUS,
260.054 AT 03:08 CST ON MAY 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
2 380 km²

BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS - STATION NO. 05KH004

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	259.845	259.053	258.765	257.848	259.548	258.182	257.745	---	---	1
2	---	---	---	259.842	259.052	258.753	257.757	259.559	258.081	257.771	---	---	2
3	---	---	---	259.835	259.715	258.710	257.888	259.567	257.928	257.804	---	---	3
4	---	---	---	258.850	259.699	258.706	257.851	259.597	257.819	257.801	---	---	4
5	---	---	258.685A	258.683	258.689	258.708	257.728	259.612	257.831	257.787	---	---	5
6	---	---	---	258.782	259.682	258.712	257.885	259.618	257.840	257.787	---	---	6
7	---	---	---	258.817	258.521	258.710	257.978	259.586	257.807	257.745	---	---	7
8	---	---	---	259.051	258.456	258.691	257.952	259.539	257.748	257.723	---	---	8
9	---	---	---	259.183	258.404	258.851	257.908	259.515	257.690	257.751	---	---	9
10	---	---	258.685A	259.280	258.372	258.848	257.918	259.498	257.815	257.817	---	---	10
11	---	---	258.677	259.376	258.307	258.881	257.921	259.447	257.814	257.908	---	---	11
12	---	---	258.681	259.486	258.258	258.850	257.941	259.389	257.897	257.969	---	---	12
13	---	---	258.634	259.606	258.223	258.825	257.924	259.283	257.747	257.956	---	---	13
14	---	---	258.610	259.533	258.227	258.820	257.905	259.270	257.721	257.971	---	---	14
15	---	---	258.581	259.578	258.284	258.381	257.828	259.226	257.676	257.984	---	---	15
16	---	---	258.531	259.634	258.307	258.257	257.781	259.122	257.683	258.008	---	---	16
17	---	---	258.470	259.670	258.348	258.184	257.841	259.032	257.881	258.078	---	---	17
18	---	---	258.409	259.736	258.358	258.121	257.908	258.924	257.887	258.148	---	---	18
19	---	---	258.362	259.802	258.382	258.181	257.913	258.822	257.882	258.188	---	---	19
20	---	---	258.310	259.895	258.373	258.229	257.972	258.717	257.843	258.198	---	---	20
21	---	---	258.284	259.983	258.351	258.200	258.138	258.650	257.837	258.203	---	---	21
22	---	---	258.284	260.074	258.370	258.180	258.474	258.559	257.812	258.207	---	---	22
23	---	---	258.281	260.282	258.436	258.124	258.783	258.488	257.572	258.217	---	---	23
24	---	---	258.287	260.420	258.491	258.038	258.881	258.432	257.584	258.238	---	---	24
25	---	---	258.328	260.432	258.532	257.988	259.138	258.328	257.787	258.282	---	---	25
26	---	---	258.371	260.380	258.581	258.005	259.248	258.223	258.050	258.289	---	---	26
27	---	---	258.411	260.091	258.575	258.011	259.348	258.138	258.021	258.305	---	---	27
28	---	---	258.470	259.748	258.591	258.028	259.453	258.127	257.880	258.310	---	---	28
29	---		258.530	259.488	258.618	258.083	259.491	258.115	257.815	258.311	---	---	29
30	---		258.574	259.263	258.688	257.998	259.513	258.143	257.784	258.287	---	---	30
31	---		258.623		258.730		259.533	258.181		258.258A		---	31
MEAN	---	---	---	259.482	258.482	258.382	258.302	258.978	257.784	258.033	---	---	MEAN
MAX	---	---	---	260.422	259.053	258.765	259.533	259.618	258.182	258.311	---	---	MAX
MIN	---	---	---	258.835	258.223	257.998	257.851	258.115	257.672	257.733	---	---	MIN

SUMMARY FOR THE YEAR 1985

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.422 ON APR 25

MAXIMUM INSTANTANEOUS,
260.441 AT 02:11 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 19 30 W

A - MANUAL GAUGE

DRAINAGE AREA,
3 380 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

REMARKS - WATER LEVELS ARE AFFECTED BY HIGH STAGES ON THE SASKATCHEWAN RIVER

BIRCH RIVER NEAR BIRCH RIVER - STATION NO. 05LE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0.1638	0.7468	3.43	0.838	0.631	0.387	0.282	2.37	---	---	1
2	---	---	0.1548	0.8648	3.28	0.783	0.495	0.378	0.280	2.00	---	---	2
3	---	---	0.1488	0.8198	3.78	0.704	0.475	0.384	0.291	1.71	---	---	3
4	---	---	0.1488	0.8268	3.35	0.850	0.454	0.381	0.288	1.49	---	---	4
5	---	---	0.1488	0.7228	3.39	0.877	0.540	0.373	0.280	1.33	---	---	5
6	---	---	0.1488	1.26 E	3.15	1.07	0.887	1.17	0.269	1.19	---	---	6
7	---	---	0.1488	2.23 E	2.88	1.04	0.878	3.46	0.259	1.04	---	---	7
8	---	---	0.1488	3.62 E	2.55	1.04	0.836	2.97	0.257	0.995	---	---	8
9	---	---	0.1488	3.86 E	2.70	1.02	0.809	2.38	0.250	0.897	---	---	9
10	---	---	0.1488	3.86 E	3.84	1.78	0.880	1.88	0.248	0.859	---	---	10
11	---	---	0.1488	3.98 E	3.80	1.55	0.818	1.47	0.244	0.822	---	---	11
12	---	---	0.1488	3.13 E	3.38	2.22	0.881	1.20	0.280	0.782	---	---	12
13	---	---	0.1508	2.13 E	3.45	1.88	0.850	1.00	0.268	0.726	---	---	13
14	---	---	0.1678	2.16 E	3.51	1.59	0.839	0.841	0.245	0.687	---	---	14
15	---	---	0.1678	2.30 E	3.40	1.37	0.891	0.734	0.237	0.661	---	---	15
16	---	---	0.1488	2.32 E	3.30	1.30	0.870	0.645	0.232	0.637	---	---	16
17	---	---	0.1488	2.56 E	3.00	1.09	0.804	0.578	0.230	0.606	---	---	17
18	---	---	0.1488	2.78 E	2.78	1.01	0.686	0.517	0.228	0.578	---	---	18
19	---	---	0.1488	2.85 E	2.85	1.15	0.535	0.480	0.219	0.565	---	---	19
20	---	---	0.1488	3.18 E	2.52	1.24	0.482	0.447	0.213	0.538	---	---	20
21	---	---	0.1488	3.44 E	2.30	1.31	0.473	0.428	0.219	0.497	---	---	21
22	---	---	0.1488	3.68	2.08	1.13	0.441	0.405	0.227	0.476	---	---	22
23	---	---	0.1488	3.72	1.85	1.08	0.421	0.381	0.210	0.488	---	---	23
24	---	---	0.1488	3.67	1.65	0.949	0.416	0.372	0.209	0.439	---	---	24
25	---	---	0.1488	3.87	1.48	0.918	0.407	0.388	0.234	0.422	---	---	25
26	---	---	0.1528	3.83	1.36	0.864	0.383	0.337	1.71	0.408	---	---	26
27	---	---	0.1638	3.24	1.23	0.786	0.381	0.330	4.28	0.402	---	---	27
28	---	---	0.2018	2.80	1.12	0.685	0.378	0.320	4.35	0.393	---	---	28
29	---		0.2558	2.67	1.01	0.632	0.387	0.305	3.70	0.383	---	---	29
30	---		0.5508	2.73	0.898	0.576	0.400	0.297	2.88	0.3928	---	---	30
31	---		0.6888		0.884		0.399	0.291		0.3928		---	31
TOTAL	---	---	5.108	78.227	76.523	35.172	16.099	25.508	23.116	25.199	---	---	TO
MEAN	---	---	0.187	2.61	2.47	1.21	0.519	0.823	0.771	0.813	---	---	ME
MAX	---	---	0.888	3.98	3.84	2.22	0.887	3.46	4.35	2.37	---	---	MA
MIN	---	---	0.148	0.819	0.884	0.576	0.387	0.291	0.209	0.392	---	---	MI

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.17
MAXIMUM DAILY, 4.35 ON SEP 28
MINIMUM DAILY, 0.1488 ON MAR 3
MAXIMUM INSTANTANEOUS,
5.09 AT 16:16 CST ON MAY 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 22 25 N
LONG 101 05 00 W

DRAINAGE AREA, 136 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 390
FEB	---	AUG	2 200
MAR	538	SEP	2 000
APR	6 780	OCT	3 180
MAY	6 610	NOV	---
JUN	3 130	DEC	---

TOTAL DISCHARGE, 24 800 dam³

BIRD RIVER AT OUTLET OF BIRD LAKE - STATION NO. 05PJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	2.808	3.88E	25.8	16.7	---	---	---	---	---	---	1
2	---	---	2.868	4.08E	27.4	16.1	---	---	---	---	---	---	2
3	---	---	2.958	4.38A	28.7	15.5	---	---	---	---	---	---	3
4	---	---	2.538	4.78	29.4	15.0	---	---	---	---	---	---	4
5	---	---	2.518	5.20	30.4	14.7	---	---	---	---	---	---	5
6	---	---	2.508	5.87	30.8	14.3	---	---	---	---	---	---	6
7	---	---	2.488	6.20	31.0	14.0	---	---	---	---	---	---	7
8	---	---	2.468	6.88	30.8	13.6	---	---	---	---	---	---	8
9	---	---	2.478	7.70	30.4	13.3	---	---	---	---	---	---	9
10	---	---	2.468	8.69	29.8	12.8	---	---	---	---	---	---	10
11	---	---	2.458	9.67	29.7	12.5	---	---	---	---	---	---	11
12	---	---	2.458	10.8	29.3	12.3	---	---	---	---	---	---	12
13	---	---	2.488	11.5	28.8	12.0	---	---	---	---	---	---	13
14	---	---	2.508	12.3	28.1	11.8	---	---	---	---	---	---	14
15	---	---	2.538	13.1	27.2	11.5	---	---	---	---	---	---	15
16	---	---	2.588	13.8	26.2	11.0	---	---	---	---	---	---	16
17	---	---	2.608	14.4	25.3	10.8	---	---	---	---	---	---	17
18	---	---	2.628	15.0	24.4	10.4	---	---	---	---	---	---	18
19	---	---	2.668	15.8	23.3	10.1	---	---	---	---	---	---	19
20	---	---	2.698	16.1	22.3	9.85	---	---	---	---	---	---	20
21	---	---	2.728	16.6	21.5	9.59	---	---	---	---	---	---	21
22	---	---	2.768	17.1	20.6	9.37	---	---	---	---	---	---	22
23	---	---	2.848	17.6	20.0	8.95	---	---	---	---	---	---	23
24	---	---	2.898	18.1	19.8	8.76	---	---	---	---	---	---	24
25	---	---	2.938	18.6	19.5	8.66	---	---	---	---	---	---	25
26	---	---	2.992	18.1	19.2	8.32	---	---	---	---	---	---	26
27	---	---	3.08A	19.6	18.8	8.15	---	---	---	---	---	---	27
28	---	---	3.11E	20.3	18.4	7.88	---	---	---	---	---	---	28
29	---		3.23E	21.4	18.1	7.80	---	---	---	---	---	---	29
30	---		3.40E	33.3	17.9	7.35	---	---	---	---	---	---	30
31	---		3.61E		17.3		---	---		---		---	31
TOTAL	---	---	84.31	381.25	770.0	342.37	---	---	---	---	---	---	TOTAL
MEAN	---	---	2.72	12.7	24.8	11.4	---	---	---	---	---	---	MEAN
MAX	---	---	3.61	33.3	31.0	16.7	---	---	---	---	---	---	MAX
MIN	---	---	2.45	3.88	17.3	7.35	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.9
MAXIMUM DAILY, 31.0 ON MAY 7
MINIMUM DAILY, 2.458 ON MAR 11
MAXIMUM INSTANTANEOUS,
31.0 AT 16:30 CDT ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 45 N
LONG 95 24 50 W
DRAINAGE AREA, 1 070 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	7 280	SEP	---
APR	32 800	OCT	---
MAY	66 500	NOV	---
JUN	29 600	DEC	---

TOTAL DISCHARGE, 136 000 dam³

BIRDTAIL CREEK NEAR BIRTLE - STATION NO. 05MD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.7098	22.1 B	7.20	3.08	1.97	0.321	0.076	0.762	---	---	1
2	---	---	0.7188	29.0 B	6.81	3.17	1.65	0.260	0.077	0.806	---	---	2
3	---	---	0.7288	21.8 B	6.59	3.17	1.33	0.244	0.076	0.782	---	---	3
4	---	---	0.7378	20.0 B	6.32	3.05	1.28	0.278	0.092	0.760	---	---	4
5	---	---	0.7468	19.9 B	6.69	2.85	1.43	0.266	0.110	0.854	---	---	5
6	---	---	0.7488	19.4	8.81	2.68	1.77	0.308	0.185	0.804	---	---	6
7	---	---	0.7558	20.8	9.47	2.50	2.28	0.384	0.248	0.527	---	---	7
8	---	---	0.7648	20.8	15.2	2.41	2.16	0.375	0.268	0.498	---	---	8
9	---	---	0.7748	20.4	27.3	2.29	2.16	0.518	0.269	0.461	---	---	9
10	---	---	0.7838	19.4	24.7	2.24	2.05	0.554	0.267	0.420	---	---	10
11	---	---	0.7928	19.0 B	22.6	2.10	1.94	0.485	0.249	0.432	---	---	11
12	---	---	0.8048	18.0 B	22.1	2.12	1.81	0.439	0.240	0.429	---	---	12
13	---	---	0.8188	17.0 B	20.3	1.95	1.94	0.462	0.228	0.403	---	---	13
14	---	---	0.8298	16.0 B	18.1	1.77	1.81	0.496	0.211	0.388	---	---	14
15	---	---	0.8418	15.0 B	16.3	1.69	1.80	0.441	0.191	0.378	---	---	15
16	---	---	0.8538	14.1 B	14.6	1.48	1.81	0.388	0.183	0.348	---	---	16
17	---	---	0.8658	13.2 B	13.2	1.34	1.35	0.348	0.170	0.334	---	---	17
18	---	---	0.8778	12.3 B	11.8	1.18	1.08	0.348	0.140	0.362	---	---	18
19	---	---	0.8908	11.4 B	10.6	1.05	0.859	0.357	0.115	0.572	---	---	19
20	---	---	0.8908	11.2	9.91	1.04	0.709	0.319	0.093	0.500	---	---	20
21	---	---	0.9028	11.1	8.95	1.10	0.572	0.281	0.101	0.398	---	---	21
22	---	---	0.9148	11.2	8.04	1.17	0.486	0.195	0.084	0.377	---	---	22
23	---	---	0.9288	11.3	7.27	1.46	0.398	0.183	0.085	0.531	---	---	23
24	---	---	0.9288	10.6	6.64	1.83	0.324	0.184	0.118	0.423	---	---	24
25	---	---	0.9388	9.80	5.84	1.68	0.417	0.175	0.824	0.372	---	---	25
26	---	---	1.02 B	9.18	5.43	1.55	0.635	0.150	0.549	0.337	---	---	26
27	---	---	1.16 B	8.71	5.13	2.82	0.498	0.137	0.882	0.304	---	---	27
28	---	---	1.26 B	8.38	4.88	3.88	0.467	0.112	0.784	0.317	---	---	28
29	---		2.52 B	7.83	4.36	2.70	0.420	0.085	0.705	0.416	---	---	29
30	---		8.89 B	7.49	3.88	2.11	0.361	0.074	0.671	0.385	---	---	30
31	---		16.0 B		3.49		0.318	0.072		0.382	---	---	31
TOTAL	---	---	51.473	456.34	342.67	62.84	37.883	9.227	7.881	14 647	---	---	TOTAL
MEAN	---	---	1.66	15.2	11.0	2.10	1.21	0.298	0.263	0.472	---	---	MEAN
MAX	---	---	16.0	29.0	27.3	3.88	2.28	0.554	0.784	0.806	---	---	MAX
MIN	---	---	0.709	7.49	3.49	1.04	0.318	0.072	0.085	0.304	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.01
MAXIMUM DAILY, 29.0B ON APR 2
MINIMUM DAILY, 0.085 ON SEP 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 50 N
LONG 100 57 00 W
DRAINAGE AREA, 1 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 250
FEB	---	AUG	797
MAR	4 450	SEP	681
APR	39 400	OCT	1 270
MAY	28 800	NOV	---
JUN	6 440	DEC	---

TOTAL DISCHARGE, 84 900 dam³

BIRNIE CREEK NEAR BIRNIE - STATION NO. 05LL017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0518	3.31 B	1.39 A	0.730E	0.125E	0.333E	0.088	0.284	---	---	1
2	---	---	0.0488	1.87 B	1.71 E	0.669E	0.116E	0.320E	0.088	0.231	---	---	2
3	---	---	0.0488	1.38 B	3.03 E	0.649E	0.111E	0.387A	0.086	0.216	---	---	3
4	---	---	0.0488	0.8218	3.29 E	0.612E	0.106E	0.988	0.087	0.196	---	---	4
5	---	---	0.0488	1.08 B	8.31 E	0.577E	0.793A	0.838	0.085	0.179	---	---	5
6	---	---	0.0438	0.9898	7.61 B	0.544E	1.14	0.436	0.089	0.161	---	---	6
7	---	---	0.0428	1.78 B	4.95 A	0.638E	0.868	0.365A	0.081	0.181	---	---	7
8	---	---	0.0468	1.87 B	3.83	0.598E	0.436	0.319E	0.057	0.182	---	---	8
9	---	---	0.0368	1.38	3.83	0.458E	0.386	0.271E	0.057	0.157	---	---	9
10	---	---	0.0378	1.08	4.29	0.430E	0.718	0.238E	0.083	0.156	---	---	10
11	---	---	0.0388	0.877	3.51	0.405A	0.675	0.184E	0.057	0.156	---	---	11
12	---	---	0.0348	0.6328	2.89	0.362E	0.859	157A	0.088	0.161	---	---	12
13	---	---	0.0328	0.3208	2.49	0.380E	1.84	0.155	0.074	0.146	---	---	13
14	---	---	0.0328	0.1838	2.39	0.340E	1.82	0.253	0.070	0.135	---	---	14
15	---	---	0.0388	0.1498	2.13	0.320E	1.29	0.181	0.070	0.139	---	---	15
16	---	---	0.0438	0.1888	1.95	0.302E	0.822	0.121	0.090	0.231	---	---	16
17	---	---	0.0488	0.276	1.78	0.285E	0.720	0.122	0.139	0.305	---	---	17
18	---	---	0.0678	1.54	1.62	0.268E	0.702	0.111	0.140	0.263	---	---	18
19	---	---	0.0988	2.84	1.54	0.253E	0.628	0.178	0.139	0.244	---	---	19
20	---	---	0.1218	2.63	1.47	0.239E	0.610	0.188	0.116	0.182	---	---	20
21	---	---	0.1488	1.80	1.36	0.225E	0.448A	0.121	0.113	0.159	---	---	21
22	---	---	0.2128	1.18	1.29	0.212E	0.368E	0.111	0.109	0.144	---	---	22
23	---	---	0.2488	1.02	1.23	0.200E	0.328E	0.108	0.112	0.135	---	---	23
24	---	---	0.3308	1.05	1.18	0.188E	0.285E	0.106	0.103	0.127	---	---	24
25	---	---	0.3248	0.936	1.10 E	0.178E	0.198E	0.107	0.232	0.138	---	---	25
26	---	---	0.2958	0.835	1.04 E	0.390E	0.382A	0.108	0.886	0.106	---	---	26
27	---	---	0.3068	0.765	0.980E	0.271E	0.823	0.098	0.856	0.118	---	---	27
28	---	---	1.02 B	0.828	0.934E	0.149E	0.478	0.098	0.642	0.105	---	---	28
29	---	---	2.33 B	0.886	0.872E	0.140E	0.434	0.084	0.344	0.095	---	---	29
30	---	---	2.46 B	1.17	0.822E	0.132E	0.353E	0.077	0.299	0.092	---	---	30
31	---	---	2.07 B		0.775E		0.346E	0.075		0.118		---	31
TOTAL	---	---	10.826	35.427	73.853	11.130	18.745	6.990	4.491	5.187	---	---	TOTAL
MEAN	---	---	0.349	1.18	2.38	0.371	0.605	0.225	0.150	0.167	---	---	MEAN
MAX	---	---	2.46	3.84	8.31	0.730	1.82	0.886	0.886	0.305	---	---	MAX
MIN	---	---	0.032	0.149	0.775	0.132	0.105	0.075	0.057	0.092	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.579
MAXIMUM DAILY, 8.31E ON MAY 5
MINIMUM DAILY, 0.0328 ON MAR 12
MAXIMUM INSTANTANEOUS,
13.0A AT 20:00 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 50 N
LONG 99 27 00 W
DRAINAGE AREA, 82.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 820
FEB	---	AUG	804
MAR	935	SEP	388
APR	3 060	OCT	448
MAY	6 380	NOV	---
JUN	962	DEC	---

TOTAL DISCHARGE, 14 400 dam³

BLACK RIVER NEAR MANICOTAGAN - STATION NO. 05RA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.9748	0.4838	0.502	2.83	27.2	3.65	0.446	0.049	0.003	1.08	0.946	1.08	1
2	0.9388	0.5088	0.484	5.02	27.6	3.31	0.385	0.046	0.006	1.26	0.880	1.12 B	2
3	0.9268	0.5178	0.506	8.90	27.3	3.05	0.374	0.043	0.018	1.42	0.834	1.13 B	3
4	0.8878	0.5268	0.458	8.24	26.7	3.83	0.370	0.042	0.024	1.62	0.845	1.13 B	4
5	0.8518	0.5338	0.469	10.3	26.0	2.49	0.384	0.041	0.044	1.55	0.824	1.16 B	5
6	0.8238	0.5368	0.417	11.4	25.8	2.27	0.332	0.048	0.045	1.55	0.881	1.17 B	6
7	0.8048	0.518	0.386	13.3	25.0	2.48	0.307	0.084	0.045	1.50	0.852	1.16 B	7
8	0.7848	0.518	0.3908	16.7	23.7	2.42	0.273	0.084	0.047	1.61	1.04	1.18 B	8
9	0.7748	0.515	0.3618	17.6	22.5	2.24	0.247	0.087	0.048	1.58	1.03	1.20 B	9
10	0.7588	0.520	0.3528	16.2	21.8	2.06	0.214	0.048	0.089	1.58	0.959	1.16 B	10
11	0.7398	0.528	0.3618	18.4	20.6	1.81	0.186	0.044	0.082	1.67	0.804	1.16 B	11
12	0.7088	0.533	0.3868	18.1	19.3	1.72	0.176	0.042	0.117	1.58	0.766	1.17 B	12
13	0.6908	0.548	0.360	20.8	18.3	1.61	0.170	0.038	0.126	1.50	0.819	1.13 B	13
14	0.6708	0.557	0.388	20.8	16.8	1.47	0.178	0.030	0.135	1.45	0.858	1.12 B	14
15	0.6898	0.570	0.409	21.2	15.8	1.32	0.188	0.033	0.116	1.40	0.878	1.14 B	15
16	0.6678	0.578	0.427	21.0	14.7	1.21	0.183	0.021	0.108	1.38	0.838	1.09 B	16
17	0.6628	0.630	0.474	20.8	13.8	1.11	0.168	0.018	0.116	1.34	0.958	1.06 B	17
18	0.6638	0.629	0.458	21.0	12.6	1.05	0.171	0.015	0.114	1.30	1.03	1.04 B	18
19	0.6598	0.628	0.391	20.4	12.0	0.952	0.165	0.017	0.110	1.27	1.11	1.00 B	19
20	0.6538	0.621	0.348	18.5	11.2	0.821	0.155	0.014	0.119	1.24	1.18	0.8578	20
21	0.6288	0.626	0.372	17.7	10.4	0.800	0.141	0.011	0.128	1.20	1.25	0.9348	21
22	0.6578	0.606	0.418	16.8	9.61	0.800	0.128	0.010	0.136	1.16	1.27	0.9378	22
23	0.6478	0.587	0.437	16.3	8.88	0.721	0.118	0.008	0.135	1.15	1.27	0.9188	23
24	0.6348	0.568	0.445	16.5	8.23	0.861	0.106	0.007	0.127	1.13	1.26	0.9158	24
25	0.6328	0.551	0.477	16.2	7.66	0.886	0.088	0.008	0.128	1.08	1.30	0.8988	25
26	0.6028	0.543	0.480	16.1	7.08	0.731	0.078	0.008	0.220	1.08	1.27	0.8238	26
27	0.6038	0.518	0.501	15.8	6.48	0.718	0.068	0.006	0.418	1.01	1.26	0.8578	27
28	0.6088	0.488	0.501	15.8	5.82	0.621	0.070	0.006	0.633	0.972	1.22	0.8738	28
29	0.6748		0.773	24.5	5.31	0.838	0.070	0.005	0.835	0.963	1.20	0.8638	29
30	0.6658		1.03	26.6	4.87	w.486	0.080	0.004	1.15	0.915	1.12	0.8228	30
31	0.6728		1.07		4.07		0.088	0.004		0.871		0.7978	31
TOTAL	21.017	15.518	15.483	489.58	487.26	45.483	5.057	0.838	5.498	40.381	30.852	32.004	TOTAL
MEAN	0.678	0.554	0.499	16.7	15.7	1.55	0.195	0.027	0.183	1.30	1.03	1.03	MEAN
MAX	0.876	0.630	1.07	26.6	27.6	3.05	0.446	0.084	1.15	1.61	1.30	1.20	MAX
MIN	0.485	0.483	0.348	2.83	4.07	0.486	0.055	0.004	0.003	0.915	0.764	0.757	MIN

SUMMARY FOR THE YEAR 1985

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.39
MAXIMUM DAILY, 27.6 ON MAY 2
MINIMUM DAILY, 0.003 ON SEP 1
MAXIMUM INSTANTANEOUS,
27.9 AT 16:30 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 42 N
LONG 66 15 10 W
DRAINAGE AREA, 712 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 820	JUL	534
FEB	1 340	AUG	72.4
MAR	1 340	SEP	475
APR	43 200	OCT	3 480
MAY	42 100	NOV	2 670
JUN	4 020	DEC	2 770

TOTAL DISCHARGE, 104 000 dam³

BLOODVEIN RIVER ABOVE BLOODVEIN BAY - STATION NO. 05KB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.99	21.29	17.29	23.49	188	139 A	86.9	34.6	18.3	24.0	19.39	18.39	1
2	29.69	21.29	17.39	26.99	172	136 A	85.2	34.7	17.4	25.1	19.69	18.29	2
3	29.59	21.19	17.39	31.89	172	121	83.3	33.7	17.5	25.2	19.19	18.39	3
4	29.99	21.29	17.69	36.89	171	116	82.0	33.3	20.4	24.6	18.69	18.49	4
5	29.39	21.39	17.39	42.39	170	111	80.8	33.0	19.4	24.5	18.89	18.29	5
6	29.19	21.29	17.19	51.09	170	108	80.4	32.7	17.2	24.4	18.79	18.19	6
7	27.99	21.39	16.79	59.49	169	112	57.6	34.4	17.7	24.7	18.69	18.09	7
8	27.79	21.29	16.79	81.89	181	114	56.3	37.5	17.1	25.0	18.49	17.89	8
9	27.69	21.09	17.19	115 B	188	111	53.7	41.7	16.5	25.0	18.29	18.19	9
10	27.09	20.49	17.39	133 B	187	109	51.8	44.4	16.1	25.4	18.69	18.09	10
11	27.09	19.79	17.69	147 B	185	107	49.9	45.2	15.7	21.0	19.19	18.09	11
12	27.49	19.19	18.09	157 B	183	105	48.3	44.0	15.6	27.6	18.89	17.99	12
13	27.09	18.79	18.49	165 B	180	101	46.7	42.6	15.4	27.9	18.79	17.59	13
14	26.99	18.39	18.79	184	178	98.5	45.3	40.6	15.2	27.6	18.69	17.89	14
15	26.69	18.29	18.89	180	176	93.5	44.1	38.3	15.0	26.9	18.69	17.79	15
16	26.29	18.09	18.79	165	173	90.4	43.0	36.8	14.8	26.6	18.79	17.59	16
17	26.09	18.19	18.69	142	172	88.5	42.1	35.2	14.8	26.2	18.69	17.49	17
18	25.79	18.09	18.79	140	170	83.3	42.3	32.6	15.0	25.6	18.59	17.39	18
19	25.39	18.09	18.89	142	168	80.3	43.1	30.7	15.2	25.4	18.49	17.59	19
20	25.19	17.89	18.29	147	165	78.9	42.9	32.9	15.4	24.8	18.49	17.39	20
21	24.89	17.69	17.89	145	164	74.0	42.0	28.2	15.3	24.3	18.59	17.39	21
22	24.59	17.69	17.69	142	160	71.7	40.7	26.8	15.3	23.8	18.69	17.19	22
23	24.09	17.69	17.79	140	157	69.9	39.0	25.0	15.1	23.3	18.69	17.29	23
24	23.89	17.59	17.99	138	154	68.3	38.3	23.7	14.9	22.8	18.59	17.39	24
25	23.49	17.19	17.79	136	151	67.5	37.2	25.7	14.7	22.3	18.79	17.49	25
26	23.09	17.09	17.89	135	148	65.5	36.1	22.7	14.7	21.9	18.69	17.39	26
27	22.59	17.19	17.69	137	146A	65.9	35.7	22.0	15.4	21.6	18.69	17.29	27
28	22.19	17.39	18.29	140	143A	71.9	35.0	21.0	16.1	21.29	18.79	17.29	28
29	22.09		18.79	161	140A	78.4	34.7	20.3	20.4	20.79	18.69	17.29	29
30	21.89		19.59	182	137A	88.7	34.8	19.6	21.9	20.09	18.59	17.19	30
31	21.49		21.09		132A		35.5	19.6		19.79		17.39	31
TOTAL	881.2	533.7	557.4	3 822.0	5 171	2 778.5	1 483.0	993.9	495.6	755.9	581.5	548.7	TOTAL
MEAN	28.4	19.1	18.0	127	167	92.6	48.9	32.1	16.5	24.4	18.7	17.8	MEAN
MAX	29.9	21.3	21.0	182	191	139	86.9	45.2	21.9	27.9	19.5	18.4	MAX
MIN	21.4	17.0	16.7	23.4	132	87.5	30.7	19.6	14.6	19.7	18.2	17.1	MIN

SUMMARY FOR THE YEAR 1985

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 49.8
MAXIMUM DAILY, 191 ON MAY 8
MINIMUM DAILY, 14.6 ON SEP 15
MAXIMUM INSTANTANEOUS,
191 AT 20:01 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 52 N
LONG 96 36 44 W
DRAINAGE AREA, 9 080 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	69 200	JUL	126 000
FEB	46 100	AUG	85 800
MAR	48 200	SEP	42 800
APR	304 000	OCT	65 300
MAY	447 000	NOV	48 500
JUN	240 000	DEC	47 200

TOTAL DISCHARGE, 1 570 000 dam³

BOISSEVAIN RESERVOIR NEAR BOISSEVAIN - STATION NO. 05DA801

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	517.076	517.029E	517.017	517.020E	517.035E	517.489	517.429	---	517.276	517.200	517.154E	517.154E	1
2	517.076E	517.026E	517.045E	517.020	517.035	517.489E	517.429E	---	517.261E	517.200E	517.154	517.154	2
3	517.076	517.023E	517.076	517.020E	517.035E	517.489	517.429	---	517.245	517.200	517.154E	517.154E	3
4	517.072E	517.020E	517.115E	517.020	517.035	517.474E	517.429E	517.459	517.245E	517.194E	517.154	517.154	4
5	517.063	517.017E	517.154	517.020E	517.002E	517.469	517.429	517.459E	517.245	517.185	517.154E	517.154E	5
6	517.063E	517.014E	517.178E	517.020	517.072	517.469E	517.413E	517.459	517.230E	517.191E	517.154	517.154	6
7	517.063	517.011E	517.200E	517.014E	517.043E	517.459	517.398	517.459E	517.215	517.200	517.154E	517.154E	7
8	517.063E	517.008E	517.221E	517.009	517.011	517.459E	517.398E	517.459	517.215E	517.194E	517.154	517.154	8
9	517.063	517.002	517.246	517.005E	517.011E	517.459	517.398	517.459E	517.215	517.185	517.154E	517.148E	9
10	517.063E	517.002E	517.261E	517.000	517.011	517.459E	517.404E	517.459	517.200E	517.185E	517.154	517.139	10
11	517.063	517.002	517.276	517.005E	517.001E	517.459	517.413	---	517.185	517.185	517.150E	517.139E	11
12	517.063E	517.002E	517.291E	517.005	517.000	517.459E	517.419E	---	517.185E	517.185E	517.169	517.139	12
13	517.063	517.002	517.307	517.005E	517.000E	517.459	517.429	---	517.185	517.185	517.169E	517.139E	13
14	517.063E	517.002E	517.343E	517.005	517.000	517.444E	517.435E	---	517.185E	517.185E	517.169	517.139	14
15	517.063	517.002	517.383	517.005E	517.000E	517.429	517.444	---	517.185	517.185	517.169E	517.139E	15
16	517.063E	517.002E	517.498E	517.005	517.000	517.429E	517.444E	---	517.191E	517.185E	517.169	517.139	16
17	517.063	517.002	517.520	517.005E	517.000E	517.429	517.444	---	517.200	517.185	517.169E	517.139E	17
18	517.067E	517.002E	517.535E	517.005	517.000	517.429E	517.444E	517.352	517.200E	517.179E	517.169	517.139	18
19	517.068	517.002	517.550	517.005E	517.044E	517.429	517.444	517.346E	517.200	517.169	517.163E	517.139E	19
20	517.041E	516.998E	517.535E	517.005	517.035	517.429E	517.444E	517.337	517.200E	517.169E	517.154	517.139	20
21	517.032	516.987	517.520	517.005E	517.035E	517.420	517.444	517.337E	517.200	517.169	517.154E	517.133E	21
22	517.032E	516.980E	517.520E	517.005	517.035	517.444E	517.436E	517.337	517.200E	517.169E	517.154	517.124	22
23	517.032	516.971	517.520	517.005E	517.035E	517.489	517.429	517.337E	517.200	517.169	517.154E	517.124E	23
24	517.032E	516.971E	517.520E	517.005	517.035	517.489E	517.429E	517.337	517.200E	517.163E	517.154	517.124	24
25	517.032	516.971	517.520	517.011E	517.029E	517.489	517.429	517.331E	517.200	517.154	517.154E	517.124E	25
26	517.032E	516.977E	517.520E	517.020	517.020	517.489E	517.429E	517.322	517.200E	517.154E	517.154	517.124	26
27	517.032	516.987	517.520	517.026E	517.014E	517.489	517.429	517.316E	517.200	517.154	517.154E	517.124E	27
28	517.032E	517.003E	517.520E	517.026	517.005	517.444E	517.444E	517.307	517.200E	517.154E	517.154	517.124	28
29	517.032		517.520	517.535E	517.498E	517.429	517.489	517.300E	517.200	517.154	517.154E	517.124E	29
30	517.032E		517.520E	517.535	517.489	517.429E	517.498E	517.291	517.200E	517.154E	517.154	517.124	30
31	517.032		517.520		517.498E		517.489	517.285E		517.154		517.124E	31
MEAN	517.052	517.000	517.388	517.013	517.051	517.462	517.431	---	517.209	517.177	517.156	517.138	MEAN
MAX	517.076	517.029	517.550	517.535	517.572	517.489	517.458	---	517.276	517.200	517.169	517.154	MAX
MIN	517.032	516.971	517.017	517.005	517.000	517.429	517.398	---	517.185	517.154	517.154	517.124	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 48 N
LONG 100 01 53 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BOYNE RIVER ABOVE CARMAN DAM - STATION NO. 05OF801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	283.885	283.051E	282.590E	282.804	282.713E	282.383	282.612	282.582	---	1
2	---	---	---	283.620E	283.074E	282.585	282.589E	282.713	282.368E	282.612E	282.582E	---	2
3	---	---	---	283.545	283.096	282.578E	282.574	282.703E	282.352	282.612	282.562	---	3
4	---	---	---	283.380E	283.168E	282.585	282.554E	282.693	282.339E	282.576E	282.562E	---	4
5	---	---	---	283.175	283.236	282.558E	282.534	282.677E	282.328E	282.539E	282.562	---	5
6	---	---	---	283.122E	283.368E	282.545E	282.534E	282.680E	282.312	282.502	282.565E	---	6
7	---	---	---	283.088E	283.458	282.535	282.534	282.643	282.312E	282.502E	282.568E	---	7
8	---	---	---	283.015	---	282.535E	282.534E	282.633E	282.312	282.502	283.572	---	8
9	---	---	---	282.980E	---	282.535	282.534	282.623	282.307E	282.502E	---	---	9
10	---	---	---	282.945	---	282.535E	282.800E	282.618E	282.302	282.502E	---	---	10
11	---	---	---	282.915E	---	282.535	282.867E	282.613	282.298E	282.502	---	---	11
12	---	---	---	282.885	---	282.535E	282.734	282.613E	282.288E	282.502E	---	---	12
13	---	---	---	282.885E	---	282.535	282.744E	282.613	282.282	282.502	---	---	13
14	---	---	---	282.885	---	282.535E	282.754	282.613E	282.282E	282.502E	---	---	14
15	---	---	---	282.915E	---	282.535E	282.758E	282.613	282.282	282.502	---	---	15
16	---	---	---	282.945	---	282.534	282.764	282.603E	282.282E	282.502E	---	---	16
17	---	---	---	282.788	---	282.564E	282.764E	282.593E	282.302	282.502E	---	---	17
18	---	---	---	283.338E	---	282.574	282.764E	282.583	282.378E	282.502	---	---	18
19	---	---	---	283.488	---	282.574	282.764	282.573E	282.455E	282.502E	---	---	19
20	---	---	---	283.887E	---	282.604E	282.764E	282.563	282.532	282.502	---	---	20
21	---	---	---	283.678	---	282.634	282.764E	282.553E	282.534E	282.502E	---	---	21
22	---	---	---	283.673E	---	282.639E	282.764	282.543E	282.536	282.502	---	---	22
23	---	---	---	283.468	282.700	282.644	282.749E	282.533	282.554E	282.488E	---	---	23
24	---	---	---	283.372E	282.689E	282.639E	282.733	282.523E	282.572	282.488E	---	---	24
25	---	---	---	283.275E	282.677E	282.634	282.723E	282.513	282.585E	282.492	---	---	25
26	---	---	---	283.178	282.665	282.634E	282.713	282.498E	282.598E	282.492E	---	---	26
27	---	---	---	283.078E	282.650E	282.634	282.713E	282.483	282.612	282.492	---	---	27
28	---	---	---	282.978	282.635	282.627E	282.713E	282.478E	282.612E	282.502E	---	---	28
29	---		---	283.003E	282.622E	282.619E	282.713	282.473	282.612	282.512	---	---	29
30	282.518		---	283.028	282.609E	282.612E	282.713E	282.463E	282.612E	282.524E	---	---	30
31	---		---		282.595		282.713	282.413E		282.545E		---	31
MEAN	---	---	---	283.226	---	282.580	282.680	282.584	282.418	282.518	---	---	MEAN
MAX	---	---	---	283.888	---	282.644	282.764	282.713	282.612	282.612	---	---	MAX
MIN	---	---	---	282.788	---	282.534	282.534	282.413	282.282	282.492	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 30 17 N
LONG 98 01 03 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BOYNE RIVER NEAR CARMAN - STATION NO. 05OF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5428	0.1518	0.0908	38.2	7.02	0.750	0.472	0.815	0.031	0.250	0.188	0.2308	1
2	0.5238	0.1428	0.0878	31.7	8.26 A	0.701	0.415	0.881	0.018	0.239	0.182	0.2268	2
3	0.5238	0.1348	0.0798	26.4	6.56	0.599	0.367	1.03	0.021	0.208	0.188	0.2298	3
4	0.5188	0.1208	0.0728	21.7	5.75	0.529	0.350	1.02	0.019	0.191	0.212	0.2438	4
5	0.5188	0.1068	0.0688	18.0	5.84 A	0.495	0.294	0.967	0.014	0.183	0.215	0.2698	5
6	0.5058	0.1028	0.0648	14.7	11.3 A	0.482	0.228	0.884	0.009	0.132	0.195	0.3338	6
7	0.4878	0.0988	0.0618	12.1	28.2 A	0.420	0.285	0.808	0.010	0.095	0.1888	0.3888	7
8	0.4698	0.0958	0.0598	10.1	30.0 A	0.383	0.406	0.837	0.003	0.078	0.3288	0.3888	8
9	0.4198	0.0968	0.0578	8.76	24.1 A	0.364	0.354	0.788	0.001	0.086	0.2978	0.3808	9
10	0.3838	0.0958	0.0558	7.65	18.5	0.338	0.4268	0.662	0	0.090	0.3388	0.3118	10
11	0.3638	0.0838	0.0558	6.42	15.2	0.273	0.480	0.595	0	0.087	0.4978	0.3138	11
12	0.3768	0.0928	0.0578	5.81	12.5	0.219	0.893A	0.492	0	0.085	0.3338	0.2808	12
13	0.3708	0.0918	0.0598	5.07	10.5	0.175	1.28 A	0.431	0	0.083	0.2858	0.2718	13
14	0.3648	0.0918	0.0788	4.32	8.06	0.150	1.70	0.373	0	0.049	0.2478	0.2848	14
15	0.3508	0.0838	0.2048	3.85	7.12	0.269	1.81	0.332	0	0.048	0.2458	0.2978	15
16	0.3408	0.0838	0.1378	3.47	5.86	0.269	1.80	0.283	0	0.047	0.2138	0.2828	16
17	0.3348	0.0858	0.1178	3.23	4.40	0.213	1.87	0.273	0.032	0.035	0.2528	0.2478	17
18	0.3348	0.0838	0.0898	3.24	3.86	0.376	1.83	0.284	0.077	0.031	0.2488	0.2438	18
19	0.3278	0.0928	0.1068	5.47	3.15	0.372	1.88	0.199	0.071	0.024	0.2608	0.2428	19
20	0.3278	0.0918	0.1788	17.5	2.80	0.447	1.70	0.157	0.084	0.021	0.2488	0.2438	20
21	0.3278	0.0808	0.3688	30.3	2.63	0.413	1.88	0.118	0.105	0.022	0.2348	0.2458	21
22	0.2428	0.0898	0.7388	14.4	2.13	0.588	1.89	0.086	0.131	0.022	0.2158	0.2488	22
23	0.1848	0.0848	3.94 B	10.7	1.82	0.632	1.86	0.111	0.055	0.022	0.2058	0.2358	23
24	0.1588	0.0868	13.2 B	9.20	1.72	0.717	1.41	0.118	0.068	0.023	0.2158	0.2118	24
25	0.1498	0.0858	25.4 B	8.31	1.58	1.08	1.32	0.080	0.100	0.021	0.2278	0.2098	25
26	0.1428	0.0848	23.8 B	7.16	1.44	1.08	1.22	0.068	0.133	0.020	0.2138	0.1978	26
27	0.1438	0.0878	23.5 B	6.57	1.27	0.826	1.13	0.056	0.118	0.017	0.2328	0.1928	27
28	0.1378	0.0888	23.3 B	6.21	1.13	0.788	1.13	0.045	0.122	0.012	0.2468	0.1838	28
29	0.1378		26.5 B	6.26	1.02	0.880	1.02	0.031	0.247	0.008	0.2488	0.1778	29
30	0.1428		38.5 B	6.36	0.844	0.558	0.883	0.044	0.250	0.030	0.2398	0.1788	30
31	0.1498		39.4 B		0.833		0.885	0.039		0.213		0.1558	31
TOTAL	10.308	2.781	220.428	343.18	240.827	15.268	31.842	13.034	1.730	2.376	7.474	7.849	TOTAL
MEAN	0.333	0.099	7.11	11.4	7.77	0.509	1.03	0.420	0.057	0.077	0.249	0.253	MEAN
MAX	0.542	0.151	39.4	38.2	30.0	1.08	1.81	1.03	0.250	0.250	0.497	0.388	MAX
MIN	0.137	0.084	0.055	3.23	0.833	0.150	0.228	0.031	0	0.008	0.182	0.155	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.48
MAXIMUM DAILY, 39.48 ON MAR 31
MINIMUM DAILY, 0 ON SEP 10
MAXIMUM INSTANTANEOUS,
43.88 AT 20:06 CST ON MAR 30

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 00 N
LONG 97 56 40 W
DRAINAGE AREA, 1 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	891	JUL	2 750
FEB	239	AUG	1 130
MAR	19 000	SEP	149
APR	28 600	OCT	205
MAY	20 600	NOV	646
JUN	1 320	DEC	678

TOTAL DISCHARGE, 77 400 dam³

BOYNE RIVER NEAR ROSEISLE - STATION NO. 05OF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0348	20.1	4.14	0.277	0.504	1.33	0.015	0.116	---	---	1
2	---	---	0.0348	15.8	3.88	0.245	0.479	1.17	0.012	0.094	---	---	2
3	---	---	0.0348	12.8	3.18	0.245	0.474	0.972	0.015	0.095	---	---	3
4	---	---	0.0348	10.5	2.69	0.220	0.428	0.880	0.019	0.093	---	---	4
5	---	---	0.0348	7.97	7.02	0.183	0.385	0.736	0.018	0.090	---	---	5
6	---	---	0.0348	5.54	14.9	0.178	0.385	0.678	0.016	0.090	---	---	6
7	---	---	0.0338	5.69	16.2	0.187	0.335	0.622	0.014	0.098	---	---	7
8	---	---	0.0338	5.01	13.5	0.142	0.287	0.580	0.010	0.112	---	---	8
9	---	---	0.0338	4.30	11.1	0.142	0.301	0.519	0.008	0.089	---	---	9
10	---	---	0.0338	3.74	8.43	0.142	0.551	0.488	0.004	0.104	---	---	10
11	---	---	0.0338	3.23	7.41	0.168	1.84	0.420	0.001	0.109	---	---	11
12	---	---	0.0338	2.82	8.28	0.139	1.70	0.383	0	0.107	---	---	12
13	---	---	0.0358	2.17	5.23	0.124	1.98	0.309	0	0.122	---	---	13
14	---	---	0.0458	1.86	4.52	0.110	2.00	0.321	0	0.134	---	---	14
15	---	---	0.0538	1.45	3.77	0.188	1.85	0.309	0	0.182	---	---	15
16	---	---	0.0658	1.28	3.22	0.288	2.42	0.280	0.004	0.127	---	---	16
17	---	---	0.1718	1.87	2.86	0.226	2.40	0.247	0.010	0.104	---	---	17
18	---	---	0.4538	4.08	2.50	0.189	2.47	0.194	0.013	0.106	---	---	18
19	---	---	0.4418	7.50	2.16	0.186	2.35	0.188	0.008	0.109	---	---	19
20	---	---	0.1768	7.45	1.86	0.408	2.28	0.158	0.008	0.123	---	---	20
21	---	---	0.1698	5.86	1.52	0.859	2.08	0.127	0.008	0.133	---	---	21
22	---	---	4.51 B	5.12	1.22	2.43	1.84	0.114	0.020	0.113	---	---	22
23	---	---	7.96 B	5.16	1.00	2.48	1.68	0.108	0.037	0.108	---	---	23
24	---	---	11.3 B	4.68	0.878	1.45	1.45	0.095	0.041	0.124	---	---	24
25	---	---	12.3 B	4.05	0.795	0.784	1.39	0.072	0.053	0.151	---	---	25
26	---	---	15.5 B	3.63	0.710	0.845	1.18	0.056	0.130	0.157	---	---	26
27	---	---	14.1 B	3.33	0.613	0.814	1.03	0.048	0.119	0.148	---	---	27
28	---	---	17.2 B	3.46	0.531	0.589	1.03	0.041	0.087	0.127	---	---	28
29	---	---	22.7 B	3.17	0.449	0.564	0.890	0.030	0.102	0.104	---	---	29
30	---	---	24.0 B	3.85	0.381	0.536	1.44	0.018	0.173	0.108	---	---	30
31	---	---	22.5		0.312		1.48	0.013		0.132	---	---	31
TOTAL	---	---	155.078	168.27	133.491	14.875	40.925	11.441	0.930	3.628	---	---	TOTAL
MEAN	---	---	5.00	5.61	4.31	0.488	1.32	0.369	0.031	0.117	---	---	MEAN
MAX	---	---	24.0	20.1	16.2	2.48	2.47	1.33	0.153	0.192	---	---	MAX
MIN	---	---	0.033	1.28	0.312	0.110	0.287	0.013	0	0.089	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.16
MAXIMUM DAILY, 24.08 ON MAR 30
MINIMUM DAILY, 0 ON SEP 12
MAXIMUM INSTANTANEOUS,
24.38 AT 12:00 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 39 N
LONG 98 24 52 W
DRAINAGE AREA, 582 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 540
FEB	---	AUG	989
MAR	13 400	SEP	80.4
APR	14 500	OCT	313
MAY	11 500	NOV	---
JUN	1 270	DEC	---

TOTAL DISCHARGE, 45 600 dam³

BOYNE RIVER NEAR STEPHENFIELD - STATION NO. 05OF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4068	0.0738	0.0728	27.5	7.77	0.784	0.201	1.25	0.058	0.245	0.298	0.3128	1
2	0.4038	0.0738	0.0748	22.5	7.17	0.680	0.123	1.25	0.088	0.085	0.290	0.3128	2
3	0.4018	0.0738	0.0768	18.0	5.84	0.648	0.088	1.14	0.034	0.104	0.290	0.3128	3
4	0.3988	0.0738	0.0768	14.8	5.05	0.562	0.180	1.03	0.050	0.103	0.298	0.3128	4
5	0.3958	0.0728	0.0768	12.1	7.26	0.482	0.374	0.871	0.060	0.110	0.298	0.3128	5
6	0.3938	0.0728	0.0788	9.98	26.0	0.433	0.320	0.888	0.035	0.105	0.285	0.3128	6
7	0.3918	0.0728	0.0778	8.57	25.7	0.448	0.181	0.871	0.038	0.095	0.2808	0.3128	7
8	0.3898	0.0728	0.0778	7.51	18.8	0.331	0.213	0.760	0.074	0.104	0.2748	0.3088	8
9	0.3868	0.0728	0.0778	6.51	15.2	0.280	0.220	0.687	0.053	0.108	0.2808	0.3088	9
10	0.3848	0.0718	0.0788	5.84	13.5	0.276	0.508	0.582	0.024	0.117	0.2788	0.3088	10
11	0.3818	0.0718	0.0788	5.02	10.6	0.217	1.53	0.487	0.107	0.114	0.2788	0.3088	11
12	0.3788	0.0718	0.0788	4.40	8.57	0.314	2.59	0.404	0.218	0.110	0.2778	0.3088	12
13	0.3768	0.0718	0.0838	3.84	7.80	0.178	2.85	0.416	0.206	0.086	0.2768	0.3238	13
14	0.3748	0.0718	0.0848	3.35	7.18	0.143	3.04	0.450	0.203	0.094	0.2758	0.3218	14
15	0.3718	0.0708	0.091	2.82	6.10	0.322	2.70	0.519	0.190	0.105	0.2748	0.2938	15
16	0.3698	0.0708	0.084	2.53	5.13	0.522	2.49	0.414	0.187	0.108	0.2728	0.2708	16
17	0.3678	0.0708	0.060	2.57	4.26	0.452	2.62	0.287	0.211	0.101	0.2708	0.2628	17
18	0.3658	0.0708	0.027	3.81	3.64	0.402	2.56	0.220	0.208	0.109	0.3208	0.2328	18
19	0.3638	0.0708	0.018	13.8	3.33	0.352	2.60	0.220	0.197	0.093	0.3208	0.1668	19
20	0.3618	0.0698	0.007	18.8	2.94	0.835	2.45	0.339	0.191	0.076	0.3208	0.0778	20
21	0.2188	0.0688	0.049	11.4	2.55	0.851	2.25	0.225	0.190	0.084	0.3188	0.0758	21
22	0.0758	0.0688	1.91	8.78	2.22	0.825	1.94	0.178	0.189	0.085	0.3188	0.0788	22
23	0.0758	0.0688	13.1	7.74	2.01	1.32	1.78	0.197	0.171	0.102	0.3188	0.0808	23
24	0.0758	0.0688	14.2	6.82	1.85	1.61	1.58	0.161	0.187	0.180	0.3188	0.0818	24
25	0.0758	0.0708	15.1	6.00	1.70	1.30	1.35	0.159	0.213	0.288	0.3188	0.0798	25
26	0.0748	0.0708	15.2	5.47	1.60	0.978	1.29	0.188	0.240	0.289	0.3188	0.0808	26
27	0.0748	0.0708	15.2	5.04	1.50	0.766	1.11	0.183	0.238	0.296	0.3188	0.0848	27
28	0.0748	0.0718	24.7	5.12	1.38	0.523	1.13	0.190	0.237	0.290	0.3188	0.0808	28
29	0.0748		37.6	5.17	1.28	0.350	0.983	0.153	0.254	0.286	0.3128	0.0848	29
30	0.0748		38.4	5.35	1.10	0.258	1.07	0.132	0.250	0.293	0.3128	0.0878	30
31	0.0738		31.8		0.951		1.08	0.104		0.293		0.0848	31
TOTAL	8.814	1.983	314.878	258.82	213.291	17.320	43.533	15.015	4.803	4.648	8.898	6.555	TOTAL
MEAN	0.278	0.071	8.83	8.63	6.88	0.577	1.40	0.484	0.153	0.150	0.297	0.211	MEAN
MAX	0.406	0.073	38.4	27.5	26.0	1.61	3.04	1.25	0.254	0.296	0.320	0.323	MAX
MIN	0.073	0.068	0.007	2.53	0.951	0.143	0.089	0.104	0.024	0.084	0.270	0.075	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.18
MAXIMUM DAILY, 38.4 ON MAR 30
MINIMUM DAILY, 0.007 ON MAR 30
MAXIMUM INSTANTANEOUS,
40.7 AT 21:10 CST ON MAR 29

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 46 N
LONG 98 14 55 W
DRAINAGE AREA, 993 km²

B - ICE CONDITIONS

REGULATED SINCE 1984

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	744	JUL	3 780
FEB	171	AUG	1 300
MAR	18 800	SEP	388
APR	22 400	OCT	402
MAY	18 400	NOV	769
JUN	1 500	DEC	986

TOTAL DISCHARGE, 89 000 dam³

BOYNE RIVER NEAR TREHERNE - STATION NO. 05OF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0188	5.47	1.80	0.085	0.435	---	---	---	---	---	1
2	---	---	0.0188	5.18	1.56	0.070	0.389	---	---	---	---	---	2
3	---	---	0.0188	4.08	1.20	0.065	0.765	---	---	---	---	---	3
4	---	---	0.0188	3.44	1.06	0.043	2.39	---	---	---	---	---	4
5	---	---	0.0188	2.77	1.72	0.041	1.39	---	---	---	---	---	5
6	---	---	0.0188	2.30	5.18	0.042	0.861	---	---	---	---	---	6
7	---	---	0.0188	1.88	4.77	0.025	0.706	---	---	---	---	---	7
8	---	---	0.0188	1.56	4.70	0.037	0.681	---	---	---	---	---	8
9	---	---	0.0188	1.28	3.71	0.041	0.688A	---	---	---	---	---	9
10	---	---	0.0188	1.12	2.96	0.041	---	---	---	---	---	---	10
11	---	---	0.0208	0.980	2.64	0.038	---	---	---	---	---	---	11
12	---	---	0.0218	0.837	2.02	0.032	---	---	---	---	---	---	12
13	---	---	0.0228	0.700	1.66	0.030	---	---	---	---	---	---	13
14	---	---	0.0238	0.596	1.36	0.013	---	---	---	---	---	---	14
15	---	---	0.0248	0.591	1.09	0.010	---	---	---	---	---	---	15
16	---	---	0.0258	0.578	0.895	0.050	---	---	---	---	---	---	16
17	---	---	0.0278	0.588	0.776	0.062	---	---	---	---	---	---	17
18	---	---	0.0308	1.13	0.671	0.110	---	---	---	---	---	---	18
19	---	---	0.0358	2.86	0.578	0.108	---	---	---	---	---	---	19
20	---	---	0.0688	3.14	0.523	0.189	---	---	---	---	---	---	20
21	---	---	0.3588	2.14	0.451	0.735	---	---	---	---	---	---	21
22	---	---	2.43 B	1.87	0.378	0.886	---	---	---	---	---	---	22
23	---	---	6.87 B	1.78	0.321	0.648	---	---	---	---	---	---	23
24	---	---	4.89 B	1.55	0.282	0.383	---	---	---	---	---	---	24
25	---	---	4.71 B	1.33	0.280	0.328	---	---	---	---	---	---	25
26	---	---	5.18 B	1.08	0.250	0.487	---	---	---	---	---	---	26
27	---	---	6.14 B	0.971	0.213	0.585	---	---	---	---	---	---	27
28	---	---	7.84 B	0.875	0.184	0.570	---	---	---	---	---	---	28
29	---		11.2	0.973	0.145	0.533	---	---	---	---	---	---	29
30	---		8.13	1.18	0.128	0.482	---	---	---	---	---	---	30
31	---		7.18		0.103		---	---		---		---	31
TOTAL	---	---	87.181	56.021	43.869	8.818	---	---	---	---	---	---	TOTAL
MEAN	---	---	2.17	1.87	1.41	0.227	---	---	---	---	---	---	MEAN
MAX	---	---	11.2	5.47	5.18	0.886	---	---	---	---	---	---	MAX
MIN	---	---	0.018	0.578	0.103	0.010	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.42
MAXIMUM DAILY, 11.2 ON MAR 29
MINIMUM DAILY, 0.010 ON JUN 15
MAXIMUM INSTANTANEOUS,
12.2 AT 12:23 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 15 N
LONG 98 38 35 W
DRAINAGE AREA, 274 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	5 800	SEP	---
APR	4 840	OCT	---
MAY	3 770	NOV	---
JUN	580	DEC	---

TOTAL DISCHARGE, 15 000 dam³

BRERETON LAKE NEAR RENNIE - STATION NO. 05PG003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	315.830	316.159	315.822	315.781	315.780	315.728	315.746	---	---	1
2	---	---	---	315.848	316.165	315.828	315.778	315.775	315.740	315.748	---	---	2
3	---	---	---	315.894	316.167	315.823	315.778	315.771	315.747	315.746	---	---	3
4	---	---	---	315.888	316.167	315.819	315.778	315.770	315.748	315.747	---	---	4
5	---	---	---	315.899	316.170	315.818	315.782	315.767	315.740	315.742	---	---	5
6	---	---	---	316.013	316.168	315.818	315.777	315.768	315.733	315.744	---	---	6
7	---	---	---	316.032	316.158	315.816	315.767	315.769	315.731	315.742	---	---	7
8	---	---	---	316.041	316.148	315.807	315.761	315.776	315.725	315.736	---	---	8
9	---	---	---	316.064	316.132	315.802	315.765	315.777	315.723	315.740	---	---	9
10	---	---	---	316.089	316.087	315.787	315.761	315.761	315.718	315.739	---	---	10
11	---	---	---	316.083	316.046	315.781	315.747	315.778	315.718	315.733	---	---	11
12	---	---	---	316.095	316.011	315.765	315.746	315.773	315.719	315.733	---	---	12
13	---	---	---	316.101	315.971	315.760	315.763	315.766	315.716	315.734	---	---	13
14	---	---	---	316.109	315.935	315.772	315.760	315.765	315.713	315.731	---	---	14
15	---	---	---	316.115	315.899	315.770	315.761	315.778	315.711	315.734	---	---	15
16	---	---	---	316.118	315.886	315.783	315.748	315.780	315.713	315.733	---	---	16
17	---	---	---	316.105	315.832	315.759	315.763	315.774	315.724	315.736	---	---	17
18	---	---	---	316.102	315.805	315.754	315.775	315.770	315.726	315.736	---	---	18
19	---	---	315.872A	316.099	315.777	315.750	315.789	315.762	315.725	315.736	---	---	19
20	---	---	---	316.092	315.789	315.805	315.765	315.762	315.723	315.738	---	---	20
21	---	---	---	316.087	315.779	315.805	315.783	315.774	315.725	315.739	---	---	21
22	---	---	---	316.082	315.782	315.808	315.755	315.772	315.733	315.739	---	---	22
23	---	---	---	316.075	315.800	315.801	315.757	315.768	315.731	315.739	---	---	23
24	---	---	---	316.085	315.808	315.784	315.752	315.765	315.730	315.740	---	---	24
25	---	---	---	316.081	315.814	315.781	315.745	315.769	315.735	315.742	---	---	25
26	---	---	---	316.075	315.818	315.789	315.752	315.763	315.737	315.743	---	---	26
27	---	---	---	316.083	315.823	315.800	315.769	315.747	315.737	315.742	---	---	27
28	---	---	315.874A	316.087	315.827	315.780	315.775	315.746	315.739	315.735	---	---	28
29	---		315.895	316.117	315.828	315.785	315.788	315.742	315.743	315.734	---	---	29
30	---		315.895	316.132	315.826	315.782	315.788	315.737	315.748	315.737	---	---	30
31	---		315.813		315.825		315.778	315.735		315.732		---	31
MEAN	---	---	---	316.085	315.848	315.795	315.765	315.767	315.729	315.739	---	---	MEAN
MAX	---	---	---	316.132	316.170	315.829	315.789	315.782	315.748	315.748	---	---	MAX
MIN	---	---	---	315.830	315.789	315.760	315.745	315.735	315.711	315.731	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 316.170 ON MAY 5
MINIMUM DAILY, 315.711 ON SEP 15
MAXIMUM INSTANTANEOUS,
316.173 AT 00:48 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 41 N
LONG 98 32 41 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM 1928 ADJUSTMENT

BROKENHEAD RIVER NEAR BEAUSEJOUR - STATION NO. 05SA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0508	0.0388	0.0308	22.8 B	38.7	4.51	0.783	1.01	0.332	0.783	0.635	0.3758	1
2	0.0648	0.0838	0.0278	18.8 B	40.8	3.94	0.744	1.04	0.307	0.776	0.7438	0.3898	2
3	0.0988	0.1238	0.0258	20.0 B	38.5	3.65	0.710	1.07	0.316	0.815	0.7258	0.4278	3
4	0.1088	0.1398	0.0218	20.7 B	38.6	3.17	0.660	1.03	0.249	0.855	0.6368	0.4118	4
5	0.1008	0.1418	0.0198	19.8 B	37.4	3.24	0.801	0.954	0.225	0.888	0.6138	0.4178	5
6	0.0508	0.1118	0.0178	17.7	36.7	2.87	0.530	0.820	0.200	0.831	0.5728	0.4248	6
7	0.0328	0.0308	0.0188	16.6	36.4	2.84	0.491	0.919	0.187	0.896	0.5548	0.4618	7
8	0.0308	0.0288	0.0128	14.9	35.5	2.50	0.443	0.922	0.171	1.11	1.19 B	0.4658	8
9	0.0478	0.0248	0.0108	13.3	33.9	2.20	0.346	0.870	0.186	1.13	0.8308	0.5428	9
10	0.1388	0.0208	0.0098	12.3	32.2	2.40	0.274	0.771	0.145	1.10	0.8038	0.5338	10
11	0.2108	0.0188	0.0088	11.5	31.5	2.13	0.320	0.701	0.120	1.08	0.8928	0.5828	11
12	0.1848	0.0188	0.0088	10.8	31.7	1.84	0.333	0.622	0.078	1.07	0.3858	0.5998	12
13	0.0908	0.0138	0.0088	9.53	32.0	1.68	0.336	0.541	0.044	1.05	0.2188	0.5328	13
14	0.0358	0.0108	0.0058	8.87	30.4	1.52	0.393	0.525	0.038	1.01	0.2828	0.5848	14
15	0.0308	0.0088	0.0048	8.59	28.0	1.36	0.780	0.820	0.034	0.983	0.3288	0.5548	15
16	0.0408	0.0088	0.0028	8.38	25.3	1.33	0.345	0.662	0.034	0.928	0.3478	0.5148	16
17	0.1088	0.0108	0.0128	8.29	23.0	1.26	0.348	0.785	0.038	0.905	0.3728	0.4018	17
18	0.1378	0.0178	0.0388	8.36	20.7	1.11	0.402	0.719	0.034	0.861	0.3338	0.3998	18
19	0.1088	0.0518	0.0788	8.32	18.5	1.13	0.557	0.449	0.035	0.871	0.3738	0.3438	19
20	0.0318	0.1788	0.0368	8.97	16.8	0.892	0.588	0.452	0.043	0.835	0.4258	0.2588	20
21	0.0128	0.3878	0.0238	8.93	15.2	0.748	0.634	0.460	0.044	0.808	0.4118	0.2538	21
22	0.0108	0.4808	0.0588	10.0	13.8	0.782	0.849	0.458	0.039	0.801	0.4088	0.2788	22
23	0.0078	0.4878	0.0288	10.1	12.4	0.757	1.02	0.408	0.037	0.789	0.3878	0.3108	23
24	0.0158	0.3378	0.2418	10.1	11.3	0.802	1.07	0.351	0.037	0.798	0.3708	0.3008	24
25	0.0288	0.1808	0.0818	9.83	10.3	1.27	1.13	0.303	0.044	0.772	0.3908	0.3608	25
26	0.0248	0.1078	0.1338	11.9	9.40	1.37	1.17	0.244	0.042	0.782	0.4008	0.1988	26
27	0.0178	0.0898	0.5088	20.5	8.58	1.30	1.48	0.194	0.200	0.762	0.3688	0.2048	27
28	0.0188	0.0378	7.70 B	27.3	7.80	1.16	1.41	0.174	0.864	0.726	0.3488	0.2718	28
29	0.0408		24.1 B	31.2	7.02	1.00	1.48	0.245	0.767	0.897	0.3378	0.1668	29
30	0.0908		21.8 B	30.5	6.17	0.886	1.79	0.594	0.725	0.870	0.3228	0.2228	30
31	0.0418		23.4 B		5.22		1.27	0.466		0.859		0.2218	31
TOTAL	2.018	3.137	78.452	442.77	734.89	55.838	22.837	18.780	5.895	27.205	14.870	11.865	TOTAL
MEAN	0.065	0.112	2.53	14.8	23.7	1.86	0.740	0.605	0.190	0.878	0.496	0.385	MEAN
MAX	0.210	0.487	24.1	31.2	40.8	4.51	1.79	1.07	0.864	1.13	1.19	0.565	MAX
MIN	0.007	0.006	0.002	8.29	5.22	0.749	0.274	0.174	0.034	0.859	0.215	0.188	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.89
MAXIMUM DAILY, 40.8 ON MAY 2
MINIMUM DAILY, 0.0028 ON MAR 16
MAXIMUM INSTANTANEOUS,
42.0 AT 01:44 CST ON MAY 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 25 N
LONG 96 25 45 W
DRAINAGE AREA, 1 580 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	174	JUL	1 980
FEB	271	AUG	1 620
MAR	6 780	SEP	492
APR	38 300	OCT	2 350
MAY	63 500	NOV	1 280
JUN	4 820	DEC	1 030

TOTAL DISCHARGE, 123 000 dam³

BROKENHEAD RIVER NEAR VIVIAN - STATION NO. 05SA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	8.848	11.8	2.50	0.043	0.228	0	0.083	---	---	1
2	---	---	0 B	8.428	12.9	2.30	0.009	0.181	0.001	0.081	---	---	2
3	---	---	0 B	8.888	13.0	2.11	0.017	0.181	0.005	0.085	---	---	3
4	---	---	0 B	8.888	13.4	1.93	0.032	0.244	0.042	0.083	---	---	4
5	---	---	0 B	8.47	14.4	1.78	0.072	0.271	0.085	0.088	---	---	5
6	---	---	0 B	7.87	15.7	1.63	0.073	0.285	0.080	0.176	---	---	6
7	---	---	0 B	7.38	15.4	1.50	0.071	0.272	0.074	0.185	---	---	7
8	---	---	0 B	6.88	14.7	1.33	0.078	0.243	0.070	0.179	---	---	8
9	---	---	0 B	6.45	14.2	1.18	0.054	0.225	0.088	0.150	---	---	9
10	---	---	0 B	6.01	14.3	1.08	0.084	0.153	0.073	0.132	---	---	10
11	---	---	0 B	5.85	14.5	0.983	0.158	0.129	0.040	0.118	---	---	11
12	---	---	0 B	4.87	15.1	0.883	0.151	0.109	0.015	0.101	---	---	12
13	---	---	0 B	4.41	14.4	0.808	0.135	0.087	0.006	0.083	---	---	13
14	---	---	0 B	4.00	13.3	0.723	0.136	0.088	0.005	0.059	---	---	14
15	---	---	0.0018	3.84	12.3	0.689	0.141	0.077	0.004	0.019	---	---	15
16	---	---	0.0018	3.87	11.4	0.823	0.176	0.084	0.003	0.007	---	---	16
17	---	---	0.0028	3.88	10.3	0.535	0.296	0.089	0.004	0.006	---	---	17
18	---	---	0.0028	3.88	9.48	0.448	0.358	0.012	0.026	0.305	---	---	18
19	---	---	0.0038	4.16	8.82	0.401	0.411	0.006	0.007	0.004	---	---	19
20	---	---	0.0048	4.22	8.22	0.381	0.508	0.004	0.005	0.004	---	---	20
21	---	---	0.0058	4.23	7.62	0.411	0.588	0.079	0.004	0.011	---	---	21
22	---	---	0.0208	4.04	7.03	0.289	0.629	0.054	0.004	0.091	---	---	22
23	---	---	0.0408	4.00	6.38	0.281	0.706	0.005	0.004	0.118	---	---	23
24	---	---	0.0558	3.84	5.82	0.318	0.748	0.003	0.005	0.150	---	---	24
25	---	---	0.0758	3.74	5.30	0.290	0.727	0.262	0.008	0.090E	---	---	25
26	---	---	0.1078	4.63	4.82	0.309	0.705	0.330	0.019	0.082E	---	---	26
27	---	---	0.1468	5.04	4.44	0.252	0.671	0.023	0.051	0.075E	---	---	27
28	---	---	1.05 B	7.60	4.08	0.178	0.593	0.005	0.048	0.070E	---	---	28
29	---		3.43 B	8.23	3.88	0.103	0.558	0.002	0.057	0.090E	---	---	29
30	---		3.18 B	8.74	3.24	0.048	0.438	0	0.051	0.124A	---	---	30
31	---		5.32 B		2.86		0.301	0		0.120E		---	31
TOTAL	---	---	12.442	174.35	312.69	26.272	9.825	3.570	0.895	2.829	---	---	TOTAL
MEAN	---	---	0.401	5.81	10.1	0.876	0.310	0.115	0.030	0.085	---	---	MEAN
MAX	---	---	5.32	8.88	15.7	2.50	0.748	0.330	0.098	0.185	---	---	MAX
MIN	---	---	0	3.74	2.86	0.048	0.008	0	0	0.004	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.21
MAXIMUM DAILY, 15.7 ON MAY 6
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
15.8 AT 13:38 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 07 N
LONG 96 21 57 W
DRAINAGE AREA, 850 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	832
FEB	---	AUG	317
MAR	1 070	SEP	77.3
APR	15 100	OCT	227
MAY	27 000	NOV	---
JUN	2 270	DEC	---

TOTAL DISCHARGE, 46 800 dam³

BUFFALO LAKE CHANNEL NEAR ALTONA - STATION NO. 05DC025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.90 B	1.08	0.014	0	0.018	0	0	---	---	1
2	---	---	0 B	2.21	1.11	0.007	0	0.045	0	0	---	---	2
3	---	---	0 B	1.68	0.831	0	0	0.054	0	0	---	---	3
4	---	---	0 B	1.34	0.718	0	0	0.060	0	0	---	---	4
5	---	---	0 B	1.18	0.634	0	0	0.052	0	0	---	---	5
6	---	---	0 B	0.987	0.573	0	0	0.044	0	0	---	---	6
7	---	---	0 B	0.829	0.536	0	0	0.037	0	0	---	---	7
8	---	---	0 B	0.881	0.503	0	0	0.036	0	0	---	---	8
9	---	---	0 B	0.820	0.485	0	0	0.032	0	0	---	---	9
10	---	---	0 B	0.749	0.448	0	0	0.018	0	0	---	---	10
11	---	---	0 B	0.894	0.415	0	0	0.009	0	0	---	---	11
12	---	---	0 B	0.877	0.404	0	0	0.001	0	0	---	---	12
13	---	---	0 B	0.681	0.392	0	0	0	0	0	---	---	13
14	---	---	0 B	0.649	0.368	0	0	0	0	0	---	---	14
15	---	---	0 B	0.641	0.337	0	0	0	0	0	---	---	15
16	---	---	0 B	0.624	0.312	0	0	0	0	0	---	---	16
17	---	---	0 B	0.578	0.288	0	0	0	0	0	---	---	17
18	---	---	0 B	0.651	0.258	0	0	0	0	0	---	---	18
19	---	---	0 B	1.20	0.228	0	0	0	0	0	---	---	19
20	---	---	0 B	2.92	0.194	0	0	0	0	0	---	---	20
21	---	---	0 B	1.69	0.164	0	0	0	0	0	---	---	21
22	---	---	0 B	1.06	0.138	0	0	0	0	0	---	---	22
23	---	---	0.0758 B	0.921	0.119	0	0	0	0	0	---	---	23
24	---	---	0.4508 B	0.838	0.124	0	0	0	0	0	---	---	24
25	---	---	12.1 B	0.708	0.122	0	0	0	0	0	---	---	25
26	---	---	8.80 B	0.661	0.101	0	0	0	0	0	---	---	26
27	---	---	8.62 B	0.645	0.080	0	0	0	0	0	---	---	27
28	---	---	7.78 B	0.740	0.068	0	0	0	0	0	---	---	28
29	---		5.40 B	0.894	0.055	0	0	0	0	0	---	---	29
30	---		4.80 B	0.945	0.042	0	0	0	0	0	---	---	30
31	---		4.19 B		0.026		0	0		0		---	31
TOTAL	---	---	50.025	32.103	11.180	0.021	0	0.410	0	0	---	---	TOTAL
MEAN	---	---	1.61	1.07	0.360	0.001	0	0.013	0	0	---	---	MEAN
MAX	---	---	12.1	2.92	1.11	0.014	0	0.060	0	0	---	---	MAX
MIN	---	---	0	0.578	0.026	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.383
MAXIMUM DAILY, 12.1B ON MAR 25
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 28 N
LONG 97 38 35 W
DRAINAGE AREA, 453 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	35.4
MAR	4 320	SEP	0
APR	2 770	OCT	0
MAY	984	NOV	---
JUN	1.81	DEC	---

TOTAL DISCHARGE, 8 090 dam³

BURNT LAKE DRAIN NO. 1 NEAR DEERHORN - STATION NO. 05LN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.538	4.07	1.63	0.598	---	---	---	---	---	1
2	---	---	0 B	3.52	5.34	1.60	0.562	---	---	---	---	---	2
3	---	---	0 B	4.23	5.90	1.52	0.520	---	---	---	---	---	3
4	---	---	0 B	4.74	5.83	1.46	0.479	---	---	---	---	---	4
5	---	---	0 B	5.50	5.50	1.41	0.513	---	---	---	---	---	5
6	---	---	0 B	5.89	6.23	1.38	0.474	---	---	---	---	---	6
7	---	---	0 B	5.42	6.58	1.35	0.380A	---	---	---	---	---	7
8	---	---	0 B	4.90	6.57	1.33	---	---	---	---	---	---	8
9	---	---	0 B	4.34	6.31	1.31	---	---	---	---	---	---	9
10	---	---	0 B	3.78	7.82	1.26	---	---	---	---	---	---	10
11	---	---	0 B	3.17	7.38	1.23	---	---	---	---	---	---	11
12	---	---	0 B	2.75	7.02	1.05	---	---	---	---	---	---	12
13	---	---	0 B	2.51	6.63	1.01	---	---	---	---	---	---	13
14	---	---	0 B	2.18	6.15	1.01	---	---	---	---	---	---	14
15	---	---	0 B	2.04	5.59	0.889	---	---	---	---	---	---	15
16	---	---	0 B	1.96	5.04	0.846	---	---	---	---	---	---	16
17	---	---	0 B	1.82	4.60	0.920	---	---	---	---	---	---	17
18	---	---	0 B	1.84	4.24	0.858	---	---	---	---	---	---	18
19	---	---	0 B	2.76	3.84	0.824	---	---	---	---	---	---	19
20	---	---	0 B	3.22	3.40	0.787	---	---	---	---	---	---	20
21	---	---	0 B	3.34	3.07	0.772	---	---	---	---	---	---	21
22	---	---	0 B	3.25	2.75	0.714	---	---	---	---	---	---	22
23	---	---	0 B	3.02	2.50	0.687	---	---	---	---	---	---	23
24	---	---	0 B	2.85	2.29	0.673	---	---	---	---	---	---	24
25	---	---	0 B	2.63	2.18	0.685	---	---	---	---	---	---	25
26	---	---	0 B	2.35	2.07	0.899	---	---	---	---	---	---	26
27	---	---	0 B	2.18	1.83	0.718	---	---	---	---	---	---	27
28	---	---	0.0518	2.21	1.88	0.704	---	---	---	---	---	---	28
29	---		0.1858	2.35	1.80	0.885	---	---	---	---	---	---	29
30	---		0.6788	2.76	1.78	0.862	---	---	---	---	---	---	30
31	---		1.67 B		1.70		---	---		---		---	31
TOTAL	---	---	2.582	96.03	146.93	30.851	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.083	3.20	4.74	1.03	---	---	---	---	---	---	MEAN
MAX	---	---	1.67	5.89	8.58	1.63	---	---	---	---	---	---	MAX
MIN	---	---	0	1.82	1.70	0.862	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.27
MAXIMUM DAILY, 8.58 ON MAY 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.86 AT 18:49 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 39 N
LONG 98 02 27 W
DRAINAGE AREA, 334 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	221	SEP	---
APR	8 300	OCT	---
MAY	13 700	NOV	---
JUN	2 670	DEC	---

TOTAL DISCHARGE, 23 900 dam³

BURNT LAKE DRAIN NO. 2 NEAR LUNDAR - STATION NO. 05LN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	9.84	10.6	2.10 E	0.692	1.77	0.088	0.040	---	---	1
2	---	---	0 B	10.1	12.0	1.99 E	0.657	1.61	0.080	0.045	---	---	2
3	---	---	0 B	10.0	12.1	1.92 E	0.625	1.42	0.076	0.056	---	---	3
4	---	---	0 B	10.7	11.8	1.85 E	0.602	1.22	0.074	0.070	---	---	4
5	---	---	0 B	10.9	13.7	1.78 E	0.615	1.09	0.083	0.078	---	---	5
6	---	---	0 B	11.1	18.7	1.71 E	0.568	0.958	0.055	0.078	---	---	6
7	---	---	0 B	10.8	17.9	1.65 E	0.536	0.809	0.053	0.088	---	---	7
8	---	---	0 B	10.5	16.7	1.59 E	0.511	0.720	0.049	0.070	---	---	8
9	---	---	0 B	10.1	16.5	1.55 E	0.495	0.304	0.043	0.085	---	---	9
10	---	---	0 B	8.18	17.0	1.51 E	0.476	0.296	0.041	0.075	---	---	10
11	---	---	0 B	5.28	16.5	1.47 A	0.606	0.294	0.036	0.075	---	---	11
12	---	---	0 B	4.64	15.5	1.41	0.744	0.299	0.035	0.063	---	---	12
13	---	---	0 B	4.47	14.9	1.26	0.811	0.295	0.031	0.070	---	---	13
14	---	---	0 B	3.83	13.9	1.28	0.925	0.294	0.027	0.068	---	---	14
15	---	---	0 B	3.93	12.9	1.28	1.22	0.276	0.016	0.064	---	---	15
16	---	---	0 B	4.06	11.9	1.24	2.01	0.255	0.010	0.059	---	---	16
17	---	---	0 B	3.92	11.2	1.19	1.90	0.239	0.033	0.061	---	---	17
18	---	---	0 B	4.79	10.4	1.15	1.75	0.220	0.028	0.059	---	---	18
19	---	---	0 B	6.83	9.19	1.11	1.43	0.209	0.024	0.062	---	---	19
20	---	---	0 B	9.05	8.19	1.05	1.41	0.195	0.015	0.061	---	---	20
21	---	---	0 B	8.43	7.51	1.01	1.28	0.168	0.017	0.056	---	---	21
22	---	---	0 B	7.89	7.10A	0.968	1.33	0.155	0.019	0.039	---	---	22
23	---	---	0 B	7.78	6.45E	0.894	1.16	0.145	0.016	0.022	---	---	23
24	---	---	0 B	7.68	5.50E	0.841	1.00	0.131	0.014	0.051	---	---	24
25	---	---	0 B	7.23	4.47E	0.816	1.01	0.148	0.047	0.059	---	---	25
26	---	---	0 B	6.93	3.69E	0.795	0.986	0.133	0.078	0.058	---	---	26
27	---	---	0.0028	6.41	3.10E	0.784	0.961	0.124	0.081	0.059A	---	---	27
28	---	---	0.382B	6.82	2.75E	0.750	0.879	0.114	0.059	0.057E	---	---	28
29	---		2.25 B	6.82	2.50E	0.732	0.804	0.108	0.045	0.056E	---	---	29
30	---		4.13 B	7.88	2.38E	0.715	1.18	0.105	0.041	0.054E	---	---	30
31	---		6.39 B		2.19E		1.13	0.097		0.051E		---	31
TOTAL	---	---	13 134	228.99	319.20	38.387	30.313	13.402	1.296	1.885	---	---	TOTAL
MEAN	---	---	0.424	7.63	10.3	1.28	0.978	0.432	0.043	0.080	---	---	MEAN
MAX	---	---	6.39	11.1	18.7	2.10	2.01	1.77	0.088	0.088	---	---	MAX
MIN	---	---	0	3.83	2.19	0.715	0.476	0.097	0.010	0.022	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.84
MAXIMUM DAILY, 18.7 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
18.8 AT 17:59 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 17 N
LONG 98 05 24 W
DRAINAGE AREA, 746 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 620
FEB	---	AUG	1 180
MAR	1 130	SEP	112
APR	19 800	OCT	161
MAY	27 600	NOV	---
JUN	3 320	DEC	---

TOTAL DISCHARGE, 55 800 dam³

BURNTWOOD RIVER ABOVE LEAF RAPIDS - STATION NO. 05TE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.848	5.928	5.568	4.208	47.0	76.8	52.4	104	41.9E	26.7	19.6	11.5 B	1
2	8.748	5.888	5.528	4.188	47.9	77.7	49.8	109	41.1E	26.9	19.6	11.4 B	2
3	8.688	5.838	5.488	4.148	51.0	77.6	47.8	107	40.5E	26.3	19.9	11.3 B	3
4	8.588	5.798	5.448	4.108	56.6	76.1	46.8	101	39.8E	26.0	18.2	11.2 B	4
5	8.488	5.748	5.408	4.368	62.8	74.2	47.1	94.2	39.0E	26.1	18.0	11.1 B	5
6	8.408	5.708	5.368	4.808	68.3	72.8	62.0	89.0	38.4E	26.4	17.7	10.9 B	6
7	8.328	5.668	5.328	4.808	73.6	71.3	86.7	85.9	37.4E	26.6	17.2	10.9 B	7
8	8.248	5.618	5.288	5.208	78.5	69.2	97.4	82.4	36.7E	26.4	16.8	10.6 B	8
9	8.198	5.558	5.208	5.608	83.4	67.2	93.8	78.3	35.9E	26.1	16.1	10.7 B	9
10	8.148	5.488	5.168	5.938	93.4	66.1	86.2	73.6	35.3E	25.9	15.8	10.5 B	10
11	8.068	5.448	5.128	6.268	111	65.6	79.0	70.4	34.7E	25.7	15.4	10.5 B	11
12	7.988	5.398	5.088	6.708	106	70.3	72.5	68.5	33.9E	25.0	15.1	10.4 B	12
13	7.938	5.358	5.048	7.148	148	81.5	67.8	66.5	33.1E	24.5	14.7	10.3 B	13
14	7.888	5.308	5.008	7.808	168	89.0	64.2	65.1	32.6E	24.4	14.5	10.3 B	14
15	7.808	5.288	4.968	8.588	168	91.0	61.4	64.8	32.0E	23.7	14.0	10.1 B	15
16	7.768	5.188	4.928	9.828	172	87.5	61.7	64.5	31.2E	23.8	13.5	10.0 B	16
17	7.718	5.158	4.888	10.4 B	168	83.0	61.2	64.2	30.8E	23.6	13.3	9.888	17
18	7.678	5.118	4.808	12.3 B	158	79.2	60.5	62.5	30.2E	23.3	13.2	9.838	18
19	7.628	5.048	4.768	14.0 B	146	75.2	61.5	60.4	29.5E	23.1	13.0	9.788	19
20	7.588	5.978	4.728	15.5 B	134	72.1	62.4	58.2	28.9E	22.8	12.7	9.678	20
21	7.518	5.938	4.648	17.9 B	124	69.9	61.3	56.8	28.4E	22.5	12.5	9.628	21
22	7.478	5.898	4.528	20.8 B	117	67.8	58.8	55.2	27.8E	22.0	12.5	9.498	22
23	7.438	5.828	4.408	23.4 B	110	64.7	56.3	53.4	27.1E	21.5	12.4	9.418	23
24	7.368	5.788	4.368	25.6 B	103	62.1	61.6	51.7	26.4E	21.4	12.5	9.318	24
25	7.298	5.738	4.328	28.2 B	98.7	60.7	73.7	51.2	25.8A	21.1	12.28	9.238	25
26	7.258	5.698	4.288	30.8 B	95.3	59.2	81.3	49.8	23.6	20.9	12.08	9.158	26
27	7.218	5.648	4.248	33.9 B	92.5	58.3	82.4	47.8	21.2	20.6	12.08	9.108	27
28	7.148	5.608	4.228	36.7 B	89.4	57.2	78.6	46.3	21.7	21.0	11.88	9.028	28
29	7.058		4.208	39.4 B	84.5	55.5	74.3	45.2	24.2	20.6	11.78	8.928	29
30	7.018		4.208	42.1 B	80.3	53.7	74.8	44.0	25.8	19.9	11.68	8.848	30
31	6.988		4.208		76.9		89.5	42.7A		19.7		8.788	31
TOTAL	242.26	175.44	150.56	444.19	3 211.1	2 132.6	2 114.9	2 113.7	955.0	734.5	438.6	311.91	TOTAL
MEAN	7.81	6.27	4.86	14.8	104	71.1	68.2	68.2	31.8	23.7	14.6	10.1	MEAN
MAX	8.84	6.82	5.56	42.1	172	91.0	97.4	109	41.9	26.9	19.6	11.5	MAX
MIN	6.98	5.60	4.20	4.10	47.0	53.7	46.8	42.7	21.2	19.7	11.6	8.79	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 35.7
MAXIMUM DAILY, 172 ON MAY 16
MINIMUM DAILY, 4.10B ON APR 4
MAXIMUM INSTANTANEOUS,
172 AT 15:00 CST ON MAY 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 30 00 N
LONG 99 13 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 900	JUL	183 000
FEB	15 200	AUG	183 000
MAR	13 000	SEP	83 500
APR	38 400	OCT	83 500
MAY	277 000	NOV	37 900
JUN	184 000	DEC	26 900

TOTAL DISCHARGE, 1 130 000 dam³

BURNTWOOD RIVER NEAR THOMPSON - STATION NO. 05TG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8598	8218	7418	7088	7068	695	689	749	783	1 080	1 110	9888	1
2	8568	8188	7378	7098	7068	677	680	748	771	1 080	1 110	9858	2
3	8548	8158	7348	7098	7068	659	680	751	781	1 060	1 100B	9838	3
4	8528	8118	7338	7098	7088	638	682	758	797	1 070	1 100B	9818	4
5	8508	8088	7318	7098	7078	623	691	758	807E	1 080	1 100B	9588	5
6	8498	8058	7288	7088	7078	607	702	748	817E	1 080	1 100B	9588	6
7	8488	8028	7258	7088	7098	795	724	745	830E	1 080	1 080B	9578	7
8	8468	7998	7228	7088	7108	781	742	745	840E	1 080	1 090B	9568	8
9	8448	7968	7208	7088	7178	780	750	744	850E	1 080	1 080B	9588	9
10	8438	7938	7188	7078	7488	775	758	743	862E	1 080	1 080B	9588	10
11	8428	7918	7178	7078	8318	785	759	739	872E	1 080	1 070B	9558	11
12	8408	7888	7168	7078	853	788	786	732	882E	1 080	1 060B	9558	12
13	8398	7858	7158	7078	1 000	771	750	735	895E	1 080	1 050B	9558	13
14	8398	7828	7158	7078	1 080	771	741	733	908E	1 100	1 040B	9548	14
15	8388	7798	7148	7078	1 090	775	733	732	915E	1 100	1 040B	9548	15
16	8378	7778	7138	7078	1 110	777	734	728	830E	1 100	1 030B	9538	16
17	8378	7748	7138	7068	1 130	778	729	725	842E	1 100	1 030B	9538	17
18	8378	7718	7138	7068	1 140	774	726	724	853A	1 110	1 020B	9538	18
19	8378	7698	7138	7068	1 150	771	723	721	862	1 110	1 010B	9528	19
20	8378	7668	7128	7068	1 140	762	717	719	877	1 110	1 010B	9528	20
21	8378	7648	7128	7068	1 120	755	714	717	887	1 110	1 000B	9518	21
22	8378	7618	7118	7068	1 110	753	714	718	897	1 110	9988	9518	22
23	8378	7588	7118	7058	1 080	742	718	714	1 010	1 120	9808	9518	23
24	8368	7568	7118	7058	1 070	733	730	713	1 020	1 110	9848	9508	24
25	8348	7538	7118	7058	1 040	726	738	718	1 040	1 120	9808	9508	25
26	8348	7518	7118	7058	1 020	717	748	718	1 050	1 120	9768	9508	26
27	8338	7488	7108	7058	887	709	752	722	1 050	1 120	9748	9498	27
28	8318	7458	7108	7068	877	705	755	728	1 050	1 120	9718	9498	28
29	8288		7108	7068	858	695	750	738	1 050	1 110	9698	9498	29
30	8268		7108	7068	844	689	750	747	1 050	1 110	9678	9498	30
31	8258		7088		822		750	758		1 110		9498	31
TOTAL	26 042	21 886	22 247	21 204	28 974	23 184	22 582	22 758	27 656	34 010	31 137	29 581	TOTAL
MEAN	840	782	718	707	935	772	728	734	922	1 100	1 040	954	MEAN
MAX	859	821	741	708	1 150	885	759	758	1 050	1 120	1 110	986	MAX
MIN	825	748	708	705	706	689	680	713	763	1 080	987	949	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 853
MAXIMUM DAILY, 1 150 ON MAY 19
MINIMUM DAILY, 680 ON JUL 2
MAXIMUM INSTANTANEOUS,
1 150 ON MAY 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 40 N
LONG 97 53 30 W
DRAINAGE AREA, 18 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 250 000	JUL	1 950 000
FEB	1 890 000	AUG	1 970 000
MAR	1 920 000	SEP	2 390 000
APR	1 830 000	OCT	2 940 000
MAY	2 500 000	NOV	2 680 000
JUN	2 000 000	DEC	2 560 000

TOTAL DISCHARGE, 26 900 000 dam³

CADDY LAKE AT CADDY LAKE CAMPGROUND - STATION NO. 05PG805

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	318.826	318.588	318.218	318.209	318.159	---	---	---	1
2	---	---	---	---	319.060	318.571E	318.216E	318.215	318.187E	---	---	---	2
3	---	---	---	---	319.118E	318.553E	318.213	318.217	318.175E	---	---	---	3
4	---	---	---	---	319.177E	318.535E	318.218	318.217	318.184	---	---	---	4
5	---	---	---	---	319.236	318.517E	318.219	318.208E	---	---	---	---	5
6	---	---	---	---	319.251	318.498E	318.219	318.199E	---	---	---	---	6
7	---	---	---	---	319.266	318.481	318.219	318.189	---	---	---	---	7
8	---	---	---	---	319.286	318.380	318.215E	318.209	---	---	---	---	8
9	---	---	---	---	319.286	318.361	318.211E	318.205	---	---	---	---	9
10	---	---	---	---	319.276	318.346E	318.207	318.209	---	---	---	---	10
11	---	---	---	---	319.261	318.330E	318.197	318.215	---	---	---	---	11
12	---	---	---	---	319.251	318.314	318.197	318.212E	---	---	---	---	12
13	---	---	---	---	319.235E	318.314	318.197	318.209E	---	---	---	---	13
14	---	---	---	---	319.218E	318.309	318.197	318.205	---	---	---	---	14
15	---	---	---	---	319.201	318.297	318.198E	318.199	---	---	---	---	15
16	---	---	---	---	319.156	318.284	318.201E	318.205	---	---	---	---	16
17	---	---	---	---	319.156	318.278E	318.203	318.209	---	---	---	---	17
18	---	---	---	---	319.116	318.268E	318.209	318.207	318.189	---	---	---	18
19	---	---	---	---	319.096	318.259	318.211	318.204E	---	---	---	---	19
20	---	---	---	---	319.056E	318.259	318.214	318.201E	---	---	---	---	20
21	---	---	318.184	---	319.018E	318.259	318.199	318.197	---	---	---	---	21
22	---	---	---	---	318.976	318.259	318.200E	318.189	---	---	---	---	22
23	---	---	---	---	318.936	318.259	318.201E	318.179	---	---	---	---	23
24	---	---	---	---	318.891	318.253E	318.203	318.179	---	---	---	---	24
25	---	---	---	---	318.836	318.246E	318.203	318.179	---	---	---	---	25
26	---	---	---	---	318.796	318.239	318.203	318.173E	---	---	---	---	26
27	---	---	---	---	318.760E	318.239	318.213	318.166E	---	---	---	---	27
28	---	---	---	---	318.723E	318.234	318.217	318.159	---	---	---	---	28
29	---		---	---	318.686	318.229	318.215E	318.159	318.239	---	---	---	29
30	---		---	318.806	318.631	318.219	318.212E	318.159	---	---	---	---	30
31	---		---		318.601		318.209	318.159		---		---	31
MEAN	---	---	---	---	319.048	318.339	318.208	318.185	---	---	---	---	MEAN
MAX	---	---	---	---	319.286	318.588	318.219	318.217	---	---	---	---	MAX
MIN	---	---	---	---	318.601	318.219	318.197	318.159	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 48 35 N
LONG 95 13 07 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CEDAR LAKE NEAR OLESON POINT - STATION NO. 05KL005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.287	254.872	253.856	253.676	254.603	255.748E	256.123	256.355	256.500	256.378A	256.392A	256.012A	1
2	255.281	254.835	253.915	253.699	254.668	255.771E	256.098	256.377	256.500	256.367A	256.384	255.989A	2
3	255.276	254.801	253.877	253.711	254.746	255.794A	256.107	256.404	256.523	256.338A	256.388	255.973A	3
4	255.257	254.870	253.842	253.726	254.821	255.770	256.132	256.426	256.545	256.341A	256.381	255.949	4
5	255.247	254.862	253.814	253.739	254.898	255.751	256.139	256.431	256.522	256.338A	256.372	255.938	5
6	255.231	254.855	253.796	253.757	254.961	255.789	256.193	256.454	256.526	256.321A	256.388	255.926	6
7	255.210	254.833	253.808	253.771	255.025	255.857	256.185	256.475	256.536	256.325A	256.369A	255.925	7
8	255.193	254.815	253.792	253.781	255.088	255.832	256.187	256.474	256.516	256.325A	256.366	255.935	8
9	255.182	254.795	253.773	253.791	255.141	255.848	256.166	256.477	256.509	256.290	256.371	255.917	9
10	255.189	254.774	253.751	253.806	255.185	255.882	256.149	256.475	256.512	256.301A	256.371	255.897	10
11	255.209	254.744	253.733	253.827	255.237	255.869	256.156	256.487	256.498	256.303A	256.381A	255.880	11
12	255.221	254.709	253.721	253.866	255.276	255.936	256.151	256.485	256.499	256.269A	256.340	255.868A	12
13	255.210	254.674	253.713	253.900	255.316	255.976	256.179	256.470	256.502	256.270A	256.321	255.849A	13
14	255.187	254.642	253.704	253.929	255.348	255.975	256.188	256.485	256.508	256.282	256.315A	255.829	14
15	255.187	254.596	253.702	253.948	255.370	255.979	256.210	256.479	256.493	256.254	256.284E	255.801	15
16	255.201	254.548	253.709	253.977	255.406	255.972	256.212	256.495	256.484	256.252	256.253E	255.776	16
17	255.215	254.501	253.723	254.014	255.434	255.972	256.195	256.472	256.488	256.248A	256.222A	255.762A	17
18	255.235	254.451	253.730	254.042	255.443	255.992	256.206	256.462	256.481	256.280	256.205A	255.754	18
19	255.244	254.401	253.707	254.061	255.474	255.981	256.224	256.482	256.473	256.274	256.175E	255.750	19
20	255.248	254.353	253.691	254.094	255.482	256.010	256.210	256.506	256.469	256.283A	256.145A	255.743	20
21	255.254	254.303	253.673	254.126	255.487	256.022	256.229	256.486	256.459	256.294A	256.127A	255.749	21
22	255.253	254.254	253.648	254.148	255.511	256.061	256.208	256.473	256.464	256.307	256.108	255.760	22
23	255.233	254.202	253.635	254.179	255.538	256.049	256.197	256.483	256.455	256.311	256.080A	255.754	23
24	255.218	254.157	253.634	254.224	255.580	256.042	256.218	256.461	256.426	256.328	256.067	255.753	24
25	255.185	254.113	253.626	254.279	255.603	256.085	256.197	256.496	256.401A	256.335	256.051A	255.750A	25
26	255.171	254.088	253.619	254.329	255.612A	256.101	256.216	256.483	256.351A	256.355	256.039E	255.782A	26
27	255.147	254.030	253.606	254.387	255.634E	256.125	256.218	256.487	256.365E	256.363	256.027A	255.788	27
28	255.116	253.995	253.589	254.452	255.658E	256.105	256.214	256.468	256.379A	256.384	256.023	255.797	28
29	255.086		253.606	254.498	255.680E	256.092	256.246	256.497	256.390A	256.374	256.013A	255.798	29
30	255.045		253.627	254.553	255.703E	256.102	256.285	256.504	256.397A	256.355	256.017	255.792	30
31	255.011		253.650		255.728E		256.329	256.527		256.393A		255.781A	31
MEAN	255.203	254.548	253.722	254.010	255.311	255.950	256.192	256.466	256.472	256.316	256.23*	255.838	MEAN
MAX	255.287	254.872	253.856	254.553	255.726	256.125	256.329	256.527	256.545	256.393	256.392	256.012	MAX
MIN	255.011	253.995	253.589	253.676	254.603	255.749	256.098	256.355	256.351	256.249	256.013	255.743	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 255.528
MAXIMUM DAILY, 256.545 ON SEP 4
MINIMUM DAILY, 253.589 ON MAR 28
MAXIMUM INSTANTANEOUS,
256.583 AT 09:24 CST ON SEP 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 19 33 N
LONG 100 16 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1971 ADJ.)

CHILDS LAKE NEAR BOGGY CREEK - STATION NO. 05MD008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.448	1.600	1.671	1.655	1.657	1.571	1.583	---	---	1
2	---	---	---	1.443	1.598	1.670	1.651	1.657	1.587	1.580	---	---	2
3	---	---	---	1.452	1.604	1.678	1.642	1.654	1.580	1.558	---	---	3
4	---	---	---	1.492A	1.607	1.672	1.645	1.653	1.554	1.556	---	---	4
5	---	---	---	1.545E	1.614	1.672	1.672	1.658	1.550	1.553	---	---	5
6	---	---	---	1.585A	1.625	1.677	1.674	1.684	1.545	1.551	---	---	6
7	---	---	---	1.567	1.629	1.673	1.678	1.685	1.539	1.549	---	---	7
8	---	---	---	1.550	1.630	1.667	1.683	1.662	1.535	1.545	---	---	8
9	---	---	---	1.552	1.633	1.667	1.684	1.657	1.532	1.543	---	---	9
10	---	---	---	1.556	1.640	1.670	1.687	1.652	1.529	1.549	---	---	10
11	---	---	---	1.558	1.645	1.686	1.692	1.648	1.529	1.552	---	---	11
12	---	---	---	1.558	1.651	1.684	1.694	1.644	1.535	1.553	---	---	12
13	---	---	---	1.561	1.654	1.681	1.693	1.644	1.533	1.552	---	---	13
14	---	---	---	1.560	1.655	1.678	1.689	1.641	1.533	1.551	---	---	14
15	---	---	---	1.560	1.662	1.678	1.688	1.638	1.530	1.551	---	---	15
16	---	---	---	1.562	1.667	1.680	1.689	1.634	1.532	1.549	---	---	16
17	---	---	---	1.560	1.670	1.682	1.686	1.626	1.534	1.547	---	---	17
18	---	---	---	1.558	1.670	1.680	1.674	1.619	1.532	1.546	---	---	18
19	---	---	---	1.558	1.670	1.682	1.676	1.618	1.533	1.544	---	---	19
20	---	---	---	1.560	1.673	1.682	1.673	1.612	1.528	1.541	---	---	20
21	---	---	---	1.559	1.673	1.678	1.670	1.606	1.527	1.538	---	---	21
22	---	---	---	1.559	1.673	1.676	1.669	1.601	1.528	1.534	---	---	22
23	---	---	---	1.585	1.671	1.680	1.667	1.598	1.527	1.532	---	---	23
24	---	---	---	1.586	1.672	1.676	1.663	1.596	1.532	1.530	---	---	24
25	---	---	---	1.588	1.676	1.681	1.665	1.596	1.560	1.529	---	---	25
26	---	---	---	1.570	1.676	1.667	1.662	1.592	1.573	1.526	---	---	26
27	---	---	---	1.574	1.673	1.681	1.659	1.589	1.571	1.527	---	---	27
28	---	---	---	1.578	1.673	1.680	1.655	1.584	1.569	1.527	---	---	28
29	---		1.448A	1.583	1.677	1.657	1.654	1.578	1.566	1.527	---	---	29
30	---		---	1.592	1.673	1.653	1.654	1.576	1.564	1.528	---	---	30
31	---		---		1.677		1.657	1.572		1.530		---	31
MEAN	---	---	---	1.548	1.652	1.683	1.671	1.626	1.544	1.543	---	---	MEAN
MAX	---	---	---	1.592	1.677	1.677	1.694	1.665	1.573	1.563	---	---	MAX
MIN	---	---	---	1.443	1.598	1.650	1.642	1.572	1.527	1.527	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.694 ON JUL 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 34 37 N
LONG 101 01 54 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

CHURCHILL RIVER ABOVE GRANVILLE FALLS - STATION NO. 05EA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	627E	725	786	741	783	943	810	829	825	666	702	734	1
2	632E	728	765	736	787	951	808	840	825	650	702	734	2
3	638E	734	761	736	787	945	800	848	818	680	702	734	3
4	638E	740	756	742	788	941	798	856	805	681	703	733	4
5	643E	738	757	743	790	951	790	864	787	680	707	733	5
6	648E	737	751	740	793	956	785	871	794	681	708	732A	6
7	652E	733	749	736	798	939	788	878	785	654	708	733E	7
8	657E	733	751	736	803	945	794	879	778	648	708	735E	8
9	662E	732	751	739	805	942	787	879	775	654	707	738E	9
10	665E	733	753	741	809	942	789	883	775	655	707	740E	10
11	671E	736	749	742	818	946	787	890	787	650	707	745E	11
12	675E	739	754	744	822	938	786	895	789	661	707	748E	12
13	680E	742	755	744	830	927	781	897	785	662	707	753E	13
14	685E	743	754	744	838	922	785	904	780	665	707	760	14
15	688E	738	753	745	855	914	778	908	745	673	708	780	15
16	693E	734	753	749	865	914	773	898	742	679	705	782	16
17	698E	737	752	750	881	910	770	895	738	686	706	785	17
18	702E	737	744	752	884	911	773	896	730	689	707	787	18
19	703E	738	739	746	908	900	778	894	728	690	708	787	19
20	705A	740	746	744	916	893	778	883	722	692	710	789	20
21	704	745	747	749	922	882	773	882	716	697	713	770	21
22	702	746	740	755	924	868	769	881	711	698	716	773	22
23	701	746	737	756	927	880	774	880	708	700	718	774	23
24	710	745	737	759	927	856	777	876	701	704	723	774	24
25	710	755	740	766	929	848	786	883	692	703	725	775	25
26	708	759	742	772	935	843	793	858	687	703	725	778	26
27	717	766	750	773	940	838	788	854	687	703	725	780	27
28	717	765	749	769	938	829	802	853	686	700	726	781	28
29	718		747	777	940	823	805	851	680	699	728	782	29
30	719		748	781	934	819	810	845	673	701	732	784	30
31	721		746		937		820	830		702		784	31
TOTAL	21 188	20 745	23 242	22 507	26 822	27 092	24 492	27 058	22 352	21 034	21 355	23 499	TOTAL
MEAN	683	741	750	750	865	903	790	873	745	679	712	758	MEAN
MAX	721	766	766	781	940	956	820	908	825	704	732	784	MAX
MIN	627	725	737	736	783	819	769	829	673	648	702	732	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 771
MAXIMUM DAILY, 956 ON JUN 6
MINIMUM DAILY, 627E ON JAN 1
MAXIMUM INSTANTANEOUS,
967 AT 16 16 CST ON JUN 6

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 09 00 N
LONG 100 27 30 W
DRAINAGE AREA, 230 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN 1 830 000	JUL 2 120 000
FEB 1 790 000	AUG 2 340 000
MAR 2 010 000	SEP 1 930 000
APR 1 940 000	OCT 1 820 000
MAY 2 320 000	NOV 1 850 000
JUN 2 340 000	DEC 2 030 000

TOTAL DISCHARGE, 24 300 000 dam³

CHURCHILL RIVER ABOVE LEAF RAPIDS - STATION NO. 06EB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	719	751	774	771	798	1 030	1 040	1 040	1 010	867	802	785	1
2	718	751	774	769	800	1 040	1 040	1 040	1 010	861	798	788	2
3	719	754	776	767	802	1 040	1 020	1 040	1 000	859	795	788	3
4	721	756	775	767	806	1 050	1 020	1 040	994	852	795	787	4
5	722	756	777	767	809	1 050	1 020	1 050	995	852	798	787	5
6	722	758	777	768	812	1 060	1 040	1 050	994	845	796	787	6
7	724	758	775	768	814	1 060	1 050	1 050	983	843	794	785	7
8	725	758	774	765	817	1 070	1 040	1 050	973	835	794	786	8
9	726	759	775	765	820	1 060	1 030	1 050	958	830	794	791	9
10	726	760	776	765	828	1 070	1 030	1 050	955	827	792	791	10
11	729	760	774	773	837	1 080	1 020	1 060	959	825	792	792	11
12	731	760	774	775	843	1 090	1 020	1 080	956	824	791	793	12
13	731	762	773	775	854	1 110	1 020	1 050	952	812	790	794	13
14	732	762	774	774	860	1 100	1 020	1 060	943	818	789	796	14
15	734	762	774	773	878	1 090	1 020	1 070	938	814	787	797	15
16	735	761	775	773	894	1 090	1 010	1 080	933	812	786	797	15
17	736	761	775	772	907	1 090	1 000	1 070	930	810	786	797A	17
18	736	762	774	774	919	1 090	1 010	1 080	927	808	785	800	18
19	736	763	773	774	932	1 080	1 010	1 080	924	813	782	801	19
20	739	763	773	773	944	1 090	1 020	1 070	914	808	782	802	20
21	740	764	771	773	954	1 080	1 010	1 080	909	807	785	803	21
22	740	765	772	775	965	1 070	1 000	1 080	905	806	785	804	22
23	739	765	773	775	975	1 070	1 010	1 080	900	805	783	803	23
24	741	765	772	776	983	1 070	1 010	1 050	892	804	786	809	24
25	743	768	772	776	993	1 070	1 020	1 050	875	795	789	809	25
26	743	771	771	778	1 000	1 070	1 020	1 040	875	803	785	812	26
27	744	772	772	778	1 010	1 080	1 020	1 030	881	800	786	814	27
28	747	772	773	780	1 010	1 050	1 020	1 030	881	805	786	814	28
29	748		772	789	1 010	1 050	1 030	1 030	877	807	785	815	29
30	748		771	784	1 010	1 050	1 030	1 030	875	802	786	818	30
31	748		770		1 020		1 040	1 020		805		818	31
TOTAL	22 743	21 319	23 981	23 205	27 804	32 080	31 880	32 570	28 140	25 458	23 686	24 784	TOTAL
MEAN	734	761	774	774	900	1 070	1 020	1 050	938	821	790	799	MEAN
MAX	749	772	777	784	1 020	1 110	1 050	1 080	1 010	867	802	818	MAX
MIN	718	751	770	765	788	1 030	1 000	1 020	875	795	782	785	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 870
MAXIMUM DAILY, 1 110 ON JUN 13
MINIMUM DAILY, 718 ON JAN 2
MAXIMUM INSTANTANEOUS,
1 120 AT 12:07 CST ON JUN 13

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 28 37 N
LONG 100 02 55 W
DRAINAGE AREA, 244 000 km²
A - MANUAL GAUGE

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN 1 950 000	JUL 2 740 000
FEB 1 840 000	AUG 2 810 000
MAR 2 070 000	SEP 2 430 000
APR 2 000 000	OCT 2 200 000
MAY 2 410 000	NOV 2 050 000
JUN 2 770 000	DEC 2 140 000

TOTAL DISCHARGE, 27 400 000 dam³

CHURCHILL RIVER ABOVE RED HEAD RAPIDS - STATION NO. 05FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1318	105 B	77.0B	79.0B	1138	1 130	---	---	---	---	---	---	1
2	1318	104 B	77.0B	79.0B	1198	1 090	---	---	---	---	---	---	2
3	1318	103 B	77.0B	79.0B	1248	1 030	---	---	---	---	---	---	3
4	1318	102 B	77.0B	79.0B	1318	978	---	---	---	---	---	---	4
5	1318	101 B	77.0B	79.0B	1368	938	---	---	---	---	---	---	5
6	1318	100 B	77.0B	79.0B	1438	885	---	---	---	---	---	---	6
7	1318	99.7B	77.0B	78.0B	1528	853	---	---	---	---	---	---	7
8	1308	97.0B	77.0B	78.0B	1618	827	---	---	---	---	---	---	8
9	1298	96.0B	77.0B	78.8B	1798	813	---	---	587A	---	---	---	9
10	1288	95.0B	77.0B	79.0B	2018	799	---	---	577	---	---	---	10
11	1278	93.0B	77.0B	79.7B	2328	790	---	---	562	---	---	---	11
12	1278	92.0B	77.0B	80.0B	3778	1 010	---	---	545	---	---	---	12
13	1278	90.0B	77.0B	81.0B	7838	1 260	---	---	534	---	---	---	13
14	1268	89.0B	77.0B	81.0B	1 4608	1 290	---	---	522	---	---	---	14
15	1258	87.0B	77.0B	83.0B	2 1408	1 250	---	---	511	---	---	---	15
16	1248	86.0B	77.0B	83.5B	2 5208	1 210	---	---	499	---	---	---	16
17	1238	85.0B	77.0B	84.0B	2 6508	1 190	---	---	476	---	---	---	17
18	1238	84.0B	77.0B	85.0B	2 6508	1 180	---	---	450	---	---	---	18
19	1218	83.0B	78.0B	86.0B	2 6408	1 190	---	---	421	---	---	---	19
20	1208	82.0B	78.0B	87.0B	2 350	1 220	---	---	394	---	---	---	20
21	1198	81.0B	78.0B	89.0B	2 220	1 260	---	---	369	---	---	---	21
22	1188	80.0B	78.0B	91.0B	2 180	1 290	---	---	345	---	---	---	22
23	1178	79.7B	79.0B	93.0B	1 900	1 330	---	---	325	---	---	---	23
24	1168	79.5B	79.0B	95.0B	1 830	1 360A	---	---	304	---	---	---	24
25	1158	79.0B	79.0B	96.0B	1 590	---	---	---	289	---	---	---	25
26	1138	79.0B	79.0B	99.9B	1 490	---	---	---	276	---	---	---	26
27	1128	78.0B	79.0B	101 B	1 400	---	---	---	257	---	---	---	27
28	1118	78.0B	79.0B	103 B	1 340	---	---	---	248	---	---	---	28
29	1098		79.0B	105 B	1 290	---	---	---	243	---	---	---	29
30	1078		79.0B	109 B	1 230	---	---	---	---	---	---	---	30
31	1068		79.0B		1 180		---	---		---		---	31
TOTAL	3 780	2 507.9	2 409.0	2 599.9	37 011	---	---	---	---	---	---	---	TOTAL
MEAN	122	89.6	77.7	86.7	1 190	---	---	---	---	---	---	---	MEAN
MAX	131	105	79.0	109	2 650	---	---	---	---	---	---	---	MAX
MIN	106	78.0	77.0	78.0	113	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 2 650B ON MAY 17

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 07 15 N
LONG 94 37 30 W
DRAINAGE AREA, 287 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	327 000	JUL	---
FEB	217 000	AUG	---
MAR	208 000	SEP	---
APR	225 000	OCT	---
MAY	3 200 000	NOV	---
JUN	---	DEC	---

CHURCHILL RIVER BELOW FIDLER LAKE - STATION NO. 05FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	113 B	81.5B	58.9B	52.8B	40.5B	474	853	805E	375E	109	156B	123B	1
2	113 B	80.0B	58.9B	52.8B	40.5B	462	826	789E	372E	106	154B	123B	2
3	113 B	79.1B	58.9B	52.8B	40.5B	448	800	783E	369E	103	152B	122B	3
4	113 B	78.1B	58.6B	52.8B	40.5B	440	786	787E	369E	101	151B	122B	4
5	113 B	77.1B	58.0B	52.8B	40.5B	429	799	782E	369E	103	150B	121B	5
6	113 B	76.1B	57.6B	52.8B	40.5B	422	848	776E	368E	108	147B	120B	6
7	113 B	75.2B	57.6B	52.8B	40.5B	415	914	770E	368E	114	147B	120B	7
8	113 B	74.2B	57.2B	52.8B	40.9B	424	958	764E	366E	121	145B	120B	8
9	113 B	73.2B	56.7B	52.8B	42.1B	427	998	753E	363A	126	144B	120B	9
10	112 B	72.3B	56.7B	52.5B	47.1B	437	1 040	747E	363E	130	142B	119B	10
11	112 B	71.3B	56.7B	50.6B	71.3B	447	1 080	729E	360E	137	141B	118B	11
12	111 B	70.4B	56.7B	49.7B	129 B	466	1 120	706E	355E	144	141B	117B	12
13	109 B	69.4B	55.8B	49.7B	177 B	495	1 170	690E	346E	147	140B	117B	13
14	108 B	68.5B	55.8B	49.3B	229 B	519	1 220	667E	337E	152	138B	117B	14
15	107 B	67.6B	55.8B	48.9B	280 B	545	1 260	635E	325E	155	137B	115B	15
16	104 B	66.7B	55.8B	48.8B	331	588	1 290	625E	314E	158	136B	114B	16
17	100 B	64.8B	55.8B	48.4B	352	642	1 310	615E	300E	162	135B	114B	17
18	97.0B	63.9B	55.4B	48.0B	367	704	1 310	605E	291E	164	134B	114B	18
19	95.0B	62.9B	55.4B	47.1B	382	762	1 310	582E	288E	166	133B	114B	19
20	95.5B	62.0B	55.4B	45.4B	393	814	1 300	552E	279E	168	133B	113B	20
21	94.0B	62.0B	55.0B	44.8B	431	853	1 290	543E	273E	169	131B	113B	21
22	91.0B	61.1B	55.0B	44.5B	450	879	1 270	539E	268E	170	130B	112B	22
23	91.0B	60.2B	55.0B	43.7B	472	905	1 260E	499E	196E	170	130B	112B	23
24	90.0B	60.2B	55.0B	43.7B	489	919	1 220E	474E	141E	171	129B	112B	24
25	88.0B	59.4B	54.1B	42.1B	503	930	1 180E	455E	130E	169	128B	111B	25
26	87.0B	59.4B	53.2B	41.3B	510 A	938	1 100E	443E	126E	168	127B	110B	26
27	86.5B	59.4B	53.2B	41.3B	512	941	1 030E	428E	123E	169	127B	110B	27
28	86.0B	58.9B	53.2B	40.5B	510	933	939E	407E	122E	172	125B	109B	28
29	85.0B		53.2B	40.5B	501	914	865E	395E	114A	158	125B	109B	29
30	83.5B		53.2B	40.9B	493	885	818E	383E	112	161B	124B	108B	30
31	82.0B		52.8B		484		809E	376E		158B		109B	31
TOTAL	3 132.5	1 914.9	1 730.6	1 436.7	8 479.9	19 457	32 971	19 124	8 460	4 510	4 132	3 379	TOTAL
MEAN	101	68.4	55.8	47.9	274	648	1 060	617	282	145	138	115	MEAN
MAX	113	81.5	58.9	52.8	512	941	1 310	805	375	172	156	123	MAX
MIN	82.0	58.9	52.8	40.5	40.5	415	786	376	112	101	124	109	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 298
MAXIMUM DAILY, 1 310 ON JUL 17
MINIMUM DAILY, 40.5B ON APR 28
MAXIMUM INSTANTANEOUS,
1 320 AT 10:00 CST ON JUL 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 00 N
LONG 96 47 50 W
DRAINAGE AREA, 271 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	271 000	JUL	2 850 000
FEB	185 000	AUG	1 650 000
MAR	150 000	SEP	731 000
APR	124 000	OCT	390 000
MAY	733 000	NOV	357 000
JUN	1 880 000	DEC	309 000

TOTAL DISCHARGE, 9 410 000 dam³

CLEARWATER LAKE AT GUY HILL - STATION NO. 05KK003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.073	280.088	280.081	280.106	280.160	280.228	280.295	280.288	280.198	280.127	280.083	280.038	1
2	280.076	280.090	280.080	280.107	280.161	280.228	280.245	280.282	280.191	280.124	280.059	280.039	2
3	280.076	280.089	280.079	280.106	280.164	280.231	280.242	280.280	280.191	280.110	280.055	280.042	3
4	280.075	280.090	280.083	280.106	280.163	280.229	280.242	280.282	280.192	280.116	280.051	280.041	4
5	280.078	280.088	280.085	280.105	280.165	280.227	280.252	280.288	280.193	280.108	280.054	280.041	5
6	280.078	280.086	280.085	280.102	280.164	280.227	280.260	280.278	280.171	280.112	280.059A	280.040	6
7	280.080	280.084	280.086	280.101	280.165	280.231	280.253	280.267	280.168	280.122	280.058E	280.044	7
8	280.079	280.083	280.089	280.102	280.166	280.224	280.251	280.268	280.160	280.115	280.053E	280.051	8
9	280.080	280.085	280.088	280.103	280.169	280.226	280.249	280.256	280.152	280.102	280.050E	280.050	9
10	280.080	280.084	280.085	280.102	280.174	280.231	280.246	280.257	280.152	280.117	280.047E	280.051	10
11	280.081	280.085	280.087	280.112	280.177	280.228	280.248	280.264	280.153	280.104	280.044E	280.050	11
12	280.083	280.085	280.088	280.114	280.179	280.258	280.252	280.262	280.150	280.091	280.042E	280.051	12
13	280.083	280.085	280.085	280.115	280.182	280.253	280.248	280.260	280.138	280.098	280.039E	280.051	13
14	280.085	280.085	280.084	280.114	280.186	280.248	280.248	280.260	280.133	280.090	280.038E	280.049	14
15	280.084	280.084	280.085	280.114	280.195	280.247	280.248	280.262	280.128	280.087	280.033E	280.048	15
16	280.083	280.088	280.085	280.115	280.201	280.244	280.248	280.278	280.124	280.088	280.030E	280.048	16
17	280.080	280.089	280.085	280.116	280.204	280.244	280.246	280.265	280.125	280.083	280.027A	280.048	17
18	280.083	280.090	280.087	280.116	280.208	280.243	280.242	280.259	280.124	280.087	280.025	280.050	18
19	280.084	280.085	280.086	280.116	280.208	280.247	280.243	280.263	280.120	280.088	280.029	280.051	19
20	280.087	280.088	280.085	280.117	280.211	280.250	280.238	280.253	280.118	280.087	280.031	280.052	20
21	280.088	280.090	280.088	280.117	280.212A	280.250	280.234	280.242	280.116	280.088	280.032	280.051	21
22	280.091	280.088	280.088	280.119	280.213E	280.255	280.226	280.243	280.118	280.085	280.030	280.050	22
23	280.095	280.083	280.090	280.129	280.213E	280.255	280.229	280.238	280.117	280.081	280.033	280.051	23
24	280.093	280.084	280.092	280.128	280.214E	280.260	280.242	280.238	280.119	280.082	280.034	280.049	24
25	280.089	280.085	280.092	280.125	280.214E	280.268	280.238	280.237	280.120	280.081	280.034	280.052	25
26	280.090	280.083	280.092	280.134	280.215E	280.269	280.235	280.224	280.109	280.084	280.035	280.051	26
27	280.091	280.081	280.090	280.126	280.216E	280.266	280.234	280.214	280.112	280.081	280.034	280.049	27
28	280.092	280.084	280.090	280.147	280.216E	280.262	280.247	280.212	280.113	280.086	280.038	280.050	28
29	280.092		280.090	280.157	280.217A	280.258	280.260	280.211	280.125	280.075	280.038	280.051	29
30	280.092		280.091	280.161	280.220	280.254	280.264	280.214	280.127	280.072	280.035	280.051	30
31	280.092		280.100		280.227		280.265	280.214		280.072		280.052	31
MEAN	280.084	280.086	280.087	280.119	280.193	280.245	280.246	280.257	280.142	280.095	280.041	280.048	MEAN
MAX	280.095	280.090	280.100	280.161	280.227	280.269	280.265	280.296	280.199	280.127	280.083	280.052	MAX
MIN	280.073	280.081	280.079	280.101	280.160	280.224	280.226	280.211	280.109	280.072	280.025	280.038	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 280.137
MAXIMUM DAILY, 280.296 ON AUG 9
MINIMUM DAILY, 280.025 ON NOV 19
MAXIMUM INSTANTANEOUS,
280.310 AT 22:49 CST ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 59 55 N
LONG 101 05 00 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

COCHRANE RIVER NEAR BROCHET - STATION NO. 06DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1178	1108	1109	1188	1278	352A	412A	308A	257A	---	---	---	1
2	1178	1108	1118	1188	1288	355A	407A	307A	256A	---	---	---	2
3	1188	1098	1118	1188	1288	360A	403A	306A	257A	---	---	---	3
4	1188	1098	1118	1188	1308	363A	404A	302A	259A	---	---	---	4
5	1188	1099	1118	1188	1318	368A	403A	299A	259A	---	---	---	5
6	1188	1098	1128	1198	1338	371A	402A	297A	258A	---	---	---	6
7	1188	1098	1128	1198	1378	378A	400A	295A	260A	---	---	---	7
8	1148	1098	1128	1198	1458	383A	396A	293A	258A	---	---	---	8
9	1148	1098	1128	1208	1608	390A	392A	290A	258A	---	---	---	9
10	1148	1098	1128	1208	170A	397A	388A	288A	258A	---	---	---	10
11	1138	1098	1128	1208	188A	408A	381A	285A	---	---	---	---	11
12	1128	1088	1128	1208	209A	415A	376A	284A	---	---	---	---	12
13	1128	1098	1138	1208	235A	421A	371A	283A	---	---	---	---	13
14	1128	1088	1138	1218	263A	431A	363A	280A	---	---	---	---	14
15	1128	1098	1138	1218	286A	436A	358A	278A	---	---	---	---	15
16	1128	1088	1148	1218	274A	443A	353A	278A	---	---	---	---	16
17	1128	1088	1148	1228	276A	445A	348A	277A	---	---	---	---	17
18	1128	1088	1148	1228	274A	447A	342A	276A	---	---	---	---	18
19	1128	1088	1148	1228	276A	446A	338A	276A	---	---	---	---	19
20	1118	1088	1158	1228	283A	443A	333A	273A	---	---	---	---	20
21	1118	1108	1158	1238	291A	443A	333A	272A	---	---	---	---	21
22	1118	1108	1158	1238	300A	440A	329A	273A	---	---	---	---	22
23	1118	1108	1158	1248	311A	439A	328A	272A	---	---	---	---	23
24	1118	1108	1158	1248	320A	437A	327A	271A	---	---	---	---	24
25	1108	1108	1158	1258	327A	437A	324A	270A	---	---	---	---	25
26	1108	1108	1158	1258	336A	433A	322A	268A	---	---	---	---	26
27	1108	1108	1158	1258	339A	430A	320A	268A	---	---	---	---	27
28	1108	1108	1158	1268	342A	426A	317A	267A	---	---	---	---	28
29	1108		1158	1268	342A	423A	316A	265A	---	---	---	---	29
30	1108		1178	1278	344A	419A	313A	262A	---	---	---	---	30
31	1108		1178		348A		311A	261A		---		---	31
TOTAL	3 489	3 062	3 524	3 947	7 821	12 376	11 112	8 726	---	---	---	---	TOTAL
MEAN	113	109	114	122	243	413	358	281	---	---	---	---	MEAN
MAX	117	110	117	127	348	447	413	309	---	---	---	---	MAX
MIN	110	109	110	118	127	352	311	261	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 447A ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 00 00 N
LONG 101 23 45 W
DRAINAGE AREA, 28 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	301 000	JUL	980 000
FEB	265 000	AUG	784 000
MAR	304 000	SEP	---
APR	315 000	OCT	---
MAY	650 000	NOV	---
JUN	1 070 000	DEC	---

CONJURING CREEK NEAR RUSSELL - STATION NO. 08ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	3.92 E	0.135	0.006	0.110	0.008	0	0	---	---	1
2	---	---	0 E	3.50 E	0.123	0.005	0.041	0.007	0	0	---	---	2
3	---	---	0 E	3.33 E	0.113	0.010	0.052	0.005	0	0	---	---	3
4	---	---	0 E	3.42 E	0.104	0.006	0.029	0.005	0	0	---	---	4
5	---	---	0 E	3.54	0.191	0.008	0.111	0.005	0	0	---	---	5
6	---	---	0 E	3.18	0.321	0.009	0.088	0.012	0	0	---	---	6
7	---	---	0 E	2.84	0.618	0.008	0.083	0.010	0	0	---	---	7
8	---	---	0 E	2.36	0.535	0.006	0.041	0.006	0	0	---	---	8
9	---	---	0 E	1.93	0.469	0.005	0.036	0.005	0	0	---	---	9
10	---	---	0 E	1.60	0.422	0.005	0.026	0.004	0	0	---	---	10
11	---	---	0 E	1.35	0.420	0.007	0.020	0	0	0	---	---	11
12	---	---	0 E	0.8938	0.345	0.007	0.016	0	0	0	---	---	12
13	---	---	0 E	0.6708	0.259	0.006	0.013	0	0	0	---	---	13
14	---	---	0 E	0.4848	0.304	0.006	0.012	0	0	0	---	---	14
15	---	---	0 E	0.4088	0.314	0.007	0.350	0	0	0	---	---	15
16	---	---	0 E	0.5418	0.303	0.006	0.030	0	0	0	---	---	16
17	---	---	0 E	1.09	0.288	0.005	0.020	0	0	0	---	---	17
18	---	---	0 E	1.04	0.244	0.004	0.030	0	0	0	---	---	18
19	---	---	0 E	0.821	0.197	0.003	0.017	0	0	0	---	---	19
20	---	---	0 E	0.687	0.186	0.007	0.013	0	0	0	---	---	20
21	---	---	0 E	0.587	0.121	0.006	0.011	0	0	0	---	---	21
22	---	---	0 E	0.483	0.093	0.003	0.008	0	0	0	---	---	22
23	---	---	0 E	0.435	0.084	0.001	0.008	0	0	0	---	---	23
24	---	---	0 E	0.386	0.035	0	0.007	0	0	0	---	---	24
25	---	---	0 E	0.352	0.034	0	0.014	0	0	0	---	---	25
26	---	---	0 E	0.299	0.034	0.477	0.011	0	0	0	---	---	26
27	---	---	0.0155	0.332	0.042	0.226	0.008	0	0	0	---	---	27
28	---	---	0.3858	0.190	0.030	0.209	0.005	0	0	0	---	---	28
29	---		2.19 E	0.172	0.011	0.153	0.008	0	0	0	---	---	29
30	---		2.84 E	0.155	0.007	0.151	0.010	0	0	0	---	---	30
31	---		2.52 E		0.008		0.008	0		0		---	31
TOTAL	---	---	9.780	39.233	6.600	1.381	1.282	0.087	0	0	---	---	TOTAL
MEAN	---	---	0.250	1.31	0.207	0.043	0.041	0.002	0	0	---	---	MEAN
MAX	---	---	2.84	3.92	0.618	0.477	0.350	0.012	0	0	---	---	MAX
MIN	---	---	0	0.155	0.005	0	0.007	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.229
MAXIMUM DAILY, 3.900 ON APR 2
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.200 AT 08:45 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 47 30 N
LONG 101 17 55 W
DRAINAGE AREA, 88.1 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	110
FEB	---	AUG	8.79
MAR	970	SEP	0
APR	3 390	OCT	0
MAY	554	NOV	---
JUN	119	DEC	---

TOTAL DISCHARGE, 4 850 dam³

COOKS CREEK AT COOKS CREEK - STATION NO. 05OJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	35.4 E	20.8	0.278	0.0308	2.43	0.136	0.026	---	---	1
2	---	---	0 E	26.5	20.3	0.339	0.0282	1.82	0.197	0.033	---	---	2
3	---	---	0 E	19.8	16.0	0.316	0.0335	1.29	0.186	0.026	---	---	3
4	---	---	0 E	16.3	11.5	0.250	0.0582	1.09	0.193	0.008	---	---	4
5	---	---	0 E	13.9	9.25	0.227	0.0502	0.909	0.178	0.013	---	---	5
6	---	---	0 E	11.9	8.05	0.243	0.0462	0.787	0.144	0.004	---	---	6
7	---	---	0 E	10.4	7.83	0.210	0.035	0.690	0.121	0.009	---	---	7
8	---	---	0 E	8.43	6.61	0.004	0.0252	0.616	0.099	0.133	---	---	8
9	---	---	0 E	6.10	5.45	0.004	0.015	0.532	0.082	0.141	---	---	9
10	---	---	0 E	4.58	5.08	0.044	0.040	0.464	0.061	0.026	---	---	10
11	---	---	0 E	3.85	4.80	0.055	0.080	0.543	0.045	0.031	---	---	11
12	---	---	0 E	3.79	5.75	0.058	0.052	0.885	0.033	0.004	---	---	12
13	---	---	0.0028	3.12	7.34	0.045	0.023	0.383	0.026	0.004	---	---	13
14	---	---	0.0078	1.63	5.85	0.083	0.0252	0.196	0.013	0.008	---	---	14
15	---	---	0.0158	1.82	4.71	0.161	0.0202	0.623	0.001	0.036	---	---	15
16	---	---	0.0208	1.59	3.82	0.186	0.0285	0.236	0.005	0.000	---	---	16
17	---	---	0.0148	1.41	3.36	0.186	0.030	0.074	0.021	0.184	---	---	17
18	---	---	0.0128	1.27	2.76	0.178	0.028	0.053	0.024	0.121	---	---	18
19	---	---	0.0118	1.79	2.33	0.215	0.0308	0.076	0.021	0.018	---	---	19
20	---	---	0.1800	2.84	2.03	0.157	0.0798	0.082	0.029	0.022	---	---	20
21	---	---	0.3808	2.98	1.78	0.197	0.077	0.064	0.022	0.047	---	---	21
22	---	---	0.3608	2.20	1.67	0.114	0.123	0.023	0.014	0.204	---	---	22
23	---	---	0.2508	1.98	1.41	0.078	0.122	0.040	0.002	0.251	---	---	23
24	---	---	0.2008	2.07	1.36	0.043	0.158	0.087	0	0.208	---	---	24
25	---	---	0.3808	2.07	1.11	0.038	0.178	0.073	0	0.218	---	---	25
26	---	---	1.00 E	2.77	0.935	0.0302	0.280	0.085	0	0.197	---	---	26
27	---	---	0.7228	15.4	0.798	0.0632	0.715	0.092	0.003	0.095	---	---	27
28	---	---	2.15 E	30.0	0.841	0.0452	0.738	0.083	0.007	0.039	---	---	28
29	---		35.1 E	19.1	0.548	0.0292	3.09	0.087	0.019	0.029	---	---	29
30	---		43.7 E	13.4	0.476	0.0362	5.06	0.047	0.029	0.019	---	---	30
31	---		48.0 E		0.435		4.12	0.078		0.018		---	31
TOTAL	---	---	135.384	256.99	179.151	4.083	14.330	13.874	1.873	2.870	---	---	TOTAL
MEAN	---	---	4.40	8.82	5.76	0.135	0.462	0.448	0.062	0.093	---	---	MEAN
MAX	---	---	48.0	35.4	20.8	0.278	5.06	2.43	0.193	0.254	---	---	MAX
MIN	---	---	0	1.27	0.435	0.038	0.015	0.023	0	0.008	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.49
MAXIMUM DAILY, 48.00 ON MAR 31
MINIMUM DAILY, 00 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 12 N
LONG 99 45 23 W
DRAINAGE AREA, 813 km²

E - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 240
FEB	---	AUG	1 390
MAR	11 800	SEP	165
APR	22 300	OCT	331
MAY	15 500	NOV	---
JUN	351	DEC	---

TOTAL DISCHARGE, 53 800 dam³

COOKS CREEK NEAR EAST SELKIRK - STATION NO. 05OJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	55.0 B	25.7	0.485	0.104	5.18	0	0	---	---	1
2	---	---	0 B	40.5	26.9	0.400	0.081	3.76	0	0	---	---	2
3	---	---	0 B	28.0	21.8	0.357	0.031	2.49	0	0	---	---	3
4	---	---	0 B	20.6	15.0	0.306	0.131	1.77	0	0	---	---	4
5	---	---	0 B	17.7	11.2	0.238	0.069	1.36	0	0	---	---	5
6	---	---	0 B	15.3	10.1	0.223	0.074	0.895	0	0	---	---	6
7	---	---	0 B	13.4	9.40	0.219	0.075	0.607	0	0	---	---	7
8	---	---	0 B	11.8	7.80	0.242	0.038	0.702	0	0	---	---	8
9	---	---	0 B	9.48	8.20	0.205	0.021	0.593	0	0	---	---	9
10	---	---	0 B	8.99	5.21	0.189	0.019	0.533	0	0	---	---	10
11	---	---	0 B	8.39	4.88	0.182	0.040	0.402	0	0	---	---	11
12	---	---	0 B	4.35	4.77	0.064	0.018	0.323	0	0	---	---	12
13	---	---	0 B	3.60	5.46	0.048	0.001	0.326	0	0	---	---	13
14	---	---	0 B	2.95	5.63	0.050	0.018	0.471	0	0	---	---	14
15	---	---	0 B	1.82	5.32	0.082	0.051	0.396	0	0	---	---	15
16	---	---	0 B	1.82	4.35	0.051	0.040	0.282	0	0	---	---	16
17	---	---	0 B	1.87	3.88	0.022	0.018	0.102	0	0	---	---	17
18	---	---	0 B	1.72	3.26	0.002	0.004	0.123	0	0	---	---	18
19	---	---	0 B	1.85	2.77	0.001	0.005	0.184	0	0	---	---	19
20	---	---	0 B	3.55	2.33	0	0.003	0.111	0	0	---	---	20
21	---	---	0 B	4.88	2.00	0	0.053	0.094	0	0	---	---	21
22	---	---	0.0538	3.78	1.72	0	0.058	0.024	0	0	---	---	22
23	---	---	0.1558	2.99	1.46	0	0.213	0.005	0	0	---	---	23
24	---	---	0.3058	2.59	1.32	0.010	0.411	0	0	0	---	---	24
25	---	---	0.6278	2.43	1.19	0.094	0.322	0	0	0	---	---	25
26	---	---	1.05 B	2.07	1.06	0.048	0.284	0	0	0	---	---	26
27	---	---	1.95 B	10.2	0.924	0.023	0.262	0	0	0	---	---	27
28	---	---	4.76 B	22.6	0.794	0.002	0.301	0	0	0.006	---	---	28
29	---		26.0 B	25.4	0.668	0.177	0.574	0	0	0.035	---	---	29
30	---		56.6 B	18.1	0.599	0.181	2.02	0	0	0.0354	---	---	30
31	---		60.4 B		0.517		5.68	0		0.0402		---	31
TOTAL	---	---	198.210	343.71	206.293	3.730	10.940	20.613	0	0.166	---	---	TOTAL
MEAN	---	---	6.43	11.5	6.65	0.124	0.353	0.671	0	0.003	---	---	MEAN
MAX	---	---	60.4	55.0	26.9	0.485	5.68	5.18	0	0.040	---	---	MAX
MIN	---	---	0	1.72	0.517	0	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.08
MAXIMUM DAILY, 60.48 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
62.4B AT 01:31 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 25 N
LONG 96 49 44 W
DRAINAGE AREA, 866 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	940
FEB	---	AUG	1 800
MAR	16 500	SEP	0
APR	30 700	OCT	9.15
MAY	17 800	NOV	---
JUN	322	DEC	---

TOTAL DISCHARGE, 88 100 dam³

COOKS CREEK NEAR GLASS - STATION NO. 05OJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.39 B	3.84	0.780	0.008	1.13	0	0.003	---	---	1
2	---	---	0 B	5.22	5.39	0.727	0.003	0.841	0	0.006	---	---	2
3	---	---	0 B	4.02	4.85	0.663	0.002	0.647	0.001	0.010	---	---	3
4	---	---	0 B	3.26	4.33	0.590	0.001	0.514	0.001	0.011	---	---	4
5	---	---	0 B	2.51	4.46	0.468	0	0.406	0.001	0.011	---	---	5
6	---	---	0 B	1.86	4.25	0.383	0	0.305	0.001	0.011	---	---	6
7	---	---	0 B	1.62	3.51	0.312	0	0.305	0	0.011	---	---	7
8	---	---	0 B	1.49	3.08	0.284	0	0.741	0	0.012	---	---	8
9	---	---	0 B	1.18	2.97	0.228	0	1.08	0	0.011	---	---	9
10	---	---	0 B	1.05	2.19	0.204	0	0.895	0	0.010	---	---	10
11	---	---	0 B	0.969	2.13	0.168	0	0.382	0	0.011	---	---	11
12	---	---	0 B	0.892	3.22	0.115	0	0.166	0	0.010	---	---	12
13	---	---	0 B	0.795	2.82	0.073	0.012	0.075	0	0.010	---	---	13
14	---	---	0 B	0.696	2.25	0.036	0.068	0.038	0	0.011	---	---	14
15	---	---	0 B	0.646	1.84	0.010	0.138	0.023	0	0.010	---	---	15
16	---	---	0 B	0.600	1.72	0.008	0.142	0.010	0	0.012	---	---	16
17	---	---	0 B	0.632	1.84	0.002	0.186	0.012	0.001	0.012	---	---	17
18	---	---	0 B	0.635	1.36	0	0.287	0.009	0.001	0.011	---	---	18
19	---	---	0 B	0.831	1.23	0	0.880	0.007	0.001	0.009	---	---	19
20	---	---	0 B	1.07	1.14	0	1.02	0.005	0.001	0.010	---	---	20
21	---	---	0.0018	0.882	1.06	0	0.801	0.003	0	0.009	---	---	21
22	---	---	0.0018	0.788	0.986	0	0.575	0.003	0.001	0.009	---	---	22
23	---	---	0.0028	0.791	0.936	0.104	0.413	0.002	0.001	0.009	---	---	23
24	---	---	0.0028	0.823	0.869	0.310	0.295	0.002	0.001	0.008	---	---	24
25	---	---	0.0038	0.848	0.818	0.230	0.204	0.002	0.002	0.008	---	---	25
26	---	---	0.0048	2.27	0.771	0.170	0.161	0.001	0.002	0.008	---	---	26
27	---	---	2.69 B	5.81	0.781	0.104	0.729	0	0.002	0.008	---	---	27
28	---	---	5.17 B	5.27	0.783	0.048	1.37	0	0.002	0.009	---	---	28
29	---		7.78 B	4.70	0.753	0.016	1.38	0	0.002	0.008	---	---	29
30	---		7.10 B	4.84	0.788	0.007	1.02	0	0.004	0.008	---	---	30
31	---		6.24 B		0.764		1.48	0		0.008		---	31
TOTAL	---	---	28.673	68.228	73.403	5.838	11.680	7.362	0.028	0.296	---	---	TOTAL
MEAN	---	---	0.931	2.17	2.37	0.198	0.383	0.237	0.001	0.010	---	---	MEAN
MAX	---	---	7.78	5.27	5.64	0.780	1.43	1.13	0.004	0.012	---	---	MAX
MIN	---	---	0	0.600	0.761	0	0	0	0	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.788
MAXIMUM DAILY, 5.64 ON MAY 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.7 AT 08:43 CST ON MAY 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 10 N
LONG 96 44 24 W
DRAINAGE AREA, 183 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 020
FEB	---	AUG	638
MAR	2 480	SEP	3.42
APR	5 850	OCT	25.8
MAY	6 340	NOV	---
JUN	513	DEC	---

TOTAL DISCHARGE, 18 700 dam³

CORMORANT LAKE AT CORMORANT - STATION NO. 05KK002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.756	256.708	256.641	256.584	---	256.787E	256.825	256.917	256.839	256.738	256.660	256.617	1
2	256.749	256.707	256.641	256.575	---	256.760E	256.819	256.918	256.840	256.779	256.663	256.606	2
3	256.755	256.707	256.635	256.566	---	256.770E	256.825	256.914	256.849	256.722	256.660	256.602	3
4	256.753	256.706	256.634	256.565	---	256.780E	256.833	256.912	256.831	256.724	256.669	256.607	4
5	256.746	256.701	256.639	256.564	---	256.781E	256.843	256.917	256.824	256.721	256.662	256.614	5
6	256.748	256.700	256.622	256.566	---	256.778E	256.870	256.928	256.821	256.729	256.648	256.618	6
7	256.751	256.698	256.615	256.566	---	256.772	256.861	256.939	256.813	256.732	256.649	256.621	7
8	256.755	256.695	256.613	256.584	---	256.769	256.849	256.937	256.794	256.730	256.647	256.622	8
9	256.756	256.690	256.613	256.585	---	256.771	256.842	256.936	256.789	256.744	256.651	256.615	9
10	256.751	256.688	256.610	256.574	---	256.770	256.836	256.932	256.783	256.731	256.651	256.619	10
11	256.754	256.684	256.611	256.580	---	256.777	256.827	256.932	256.780	256.722	256.650	256.612	11
12	256.748	256.683	256.609	256.580	---	256.818	256.839	256.932	256.787	256.729	256.653	256.622	12
13	256.740	256.676	256.606	256.576	---	256.816	256.836	256.936	256.785	256.722	256.654	256.630	13
14	256.738	256.680	256.603	256.576	---	256.819	256.843	256.932	256.778	256.713	256.639	256.614	14
15	256.739	256.672	256.588	256.574	---	256.802	256.867	256.932	256.784	256.717	256.645	256.603	15
16	256.760	256.688	256.586	256.578	---	256.808	256.863	256.930	256.780	256.718	256.640	256.595	16
17	256.739	256.671	256.584	256.572	---	256.807	256.847	256.917	256.782	256.727	256.630	256.599	17
18	256.734	256.686	256.581	256.578	---	256.810	256.857	256.917	256.784	256.714	256.629	256.598	18
19	256.730	256.683	256.570	256.581	---	256.810	256.863	256.919	256.756	256.713	256.627	256.594	19
20	256.733	256.686	256.577	256.576	---	256.830	256.855	256.913	256.751	256.711	256.624	256.590	20
21	256.731	256.662	256.578	256.573	---	256.836	256.858	256.897	256.747	256.718	256.618	256.591	21
22	256.724	256.647	256.566	256.578	---	256.834	256.846	256.899	256.752	256.701	256.620	256.592	22
23	256.717	256.639	256.574	256.565	---	256.828	256.858	256.890	256.748	256.703	256.629	256.588	23
24	256.721	256.636	256.573	256.591	---	256.830	256.871	256.889	256.730	256.706	256.627	256.587	24
25	256.722	256.657	256.573	256.591	---	256.835	256.865	256.877	256.678	256.703	256.619	256.580	25
26	256.715	256.657	256.580	256.588	---	256.839	256.876	256.872	256.697	256.695	256.613	256.585	26
27	256.720	256.667	256.589	256.589	---	256.848	256.862	256.870	256.726	256.684	256.597	256.586	27
28	256.719	256.645	256.570	256.605	---	256.834	256.874	256.885	256.728	256.677	256.599	256.585	28
29	256.715		256.568	256.608A	256.727A	256.822	256.880	256.865	256.741	256.674	256.621	256.580	29
30	256.711		256.564	256.609E	---	256.826	256.908	256.853	256.748	256.678	256.617	256.582	30
31	256.709		256.575		---		256.914	256.855		256.665		256.579	31
MEAN	256.736	256.674	256.597	256.580	---	256.805	256.864	256.906	256.772	256.713	256.637	256.601	MEAN
MAX	256.756	256.708	256.641	256.609	---	256.848	256.914	256.939	256.849	256.744	256.669	256.630	MAX
MIN	256.709	256.636	256.564	256.564	---	256.757	256.819	256.855	256.678	256.665	256.597	256.579	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 256.939 ON AUG 7
MINIMUM DAILY, 256.564 ON MAR 30
MAXIMUM INSTANTANEOUS,
257.097 AT 16:52 CST ON AUG 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 00 N
LONG 100 36 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

CROSS LAKE AT CROSS LAKE - STATION NO. 05UD001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	208.481	208.067	207.891	207.882	208.165	208.837	208.230	207.200	207.038	206.946	207.641	207.750	1
2	208.501	208.035	207.883	207.866	208.157	208.839	208.197	207.223	207.053	206.962	207.684	207.746	2
3	208.516	208.024	207.867	207.844	208.185	208.842	208.185	207.241	206.993	206.952	207.695	207.745	3
4	208.520	208.008	207.854	207.844	208.220	208.846	208.154	207.232	207.021	206.938	207.706	207.734	4
5	208.517	207.995	207.844	207.839	208.246	208.823	208.160	207.230	207.015	206.987	207.708	207.726	5
6	208.521	207.980	207.827	207.836	208.260	208.834	208.082	207.257	206.952	206.952	207.707	207.715	6
7	208.522	207.985	207.831	207.836	208.282	208.809	208.069	207.258	206.923	207.002	207.640	207.708	7
8	208.518	207.955	207.827	207.836	208.311	208.819	208.107	207.264	206.939	207.000	207.563	207.710	8
9	208.509	207.946	207.826	207.855	208.352	208.804	208.080	207.238	206.924	207.017	207.488	207.701	9
10	208.488	207.936	207.820	207.871	208.399	208.848	207.995	207.287	206.922	207.004	207.414	207.697	10
11	208.427	207.920	207.813	207.883	208.463	208.788	207.916	207.263	206.913	207.088	207.357	207.700	11
12	208.386	207.923	207.807	207.885	208.506	208.803	207.830	207.305	206.898	207.010	207.334	207.705	12
13	208.382	207.919	207.802	207.887	208.561	208.820	207.767	207.285	206.877	207.083	207.380	207.707	13
14	208.334	207.914	207.784	207.898	208.626	208.771	207.888	207.264	206.843	207.157	207.380	207.705	14
15	208.304	207.908	207.764	207.712	208.686	208.794	207.880	207.247	206.882	207.208	207.428	207.696	15
16	208.280	207.906	207.776	207.721	208.720	208.784	207.844	207.274	206.859	207.161	207.487	207.684	16
17	208.248	207.905	207.764	207.736	208.767	208.718	207.803	207.274	206.876	207.157	207.553	207.672	17
18	208.224	207.902	207.756	207.752	208.784	208.641	207.412	207.247	206.880	207.200	207.527	207.662	18
19	208.203	207.902	207.749	207.793	208.807	208.590	207.346	207.238	206.872	207.228	207.697	207.655	19
20	208.176	207.898	207.744	207.838	208.829	208.522	207.301	207.172	206.865	207.255	207.759	207.645	20
21	208.160	207.887	207.738	207.857	208.856	208.474	207.230	207.201	206.908	207.320	207.807	207.635	21
22	208.133	207.900	207.730	207.892	208.880	208.461	207.180	207.178	206.893	207.371	207.822	207.627	22
23	208.119	207.902	207.721	207.930	208.893	208.404	207.187	207.186	206.925	207.378	207.828	207.624	23
24	208.107	207.905	207.715	207.966	208.897	208.333	207.174	207.121	206.937	207.400	207.828	207.619	24
25	208.072	207.908	207.706	207.985	208.895	208.326	207.184	207.039	207.015	207.451	207.824	207.610	25
26	208.088	207.908	207.686	208.007	208.899	208.306	207.121	207.066	207.028	207.488	207.615	207.601	26
27	208.071	207.901	207.680	208.041	208.892	208.273	207.090	207.038	206.935	207.487	207.799	207.589	27
28	208.058	207.888	207.682	208.071	208.891	208.274	207.127	207.067	206.884	207.540	207.786	207.584	28
29	208.064		207.677	208.099	208.922	208.259	207.152	207.066	206.913	207.544	207.773	207.581	29
30	208.062		207.673	208.125	208.936	208.292	207.171	207.047	206.903	207.555	207.762	207.578	30
31	208.052		207.663		208.885		207.161	207.076		207.616		207.573	31
MEAN	208.288	207.936	207.773	207.781	208.617	208.628	207.612	207.185	206.930	207.208	207.643	207.667	MEAN
MAX	208.522	208.067	207.891	208.125	208.936	208.848	208.230	207.305	207.053	207.616	207.828	207.750	MAX
MIN	208.052	207.887	207.663	207.836	208.165	208.202	207.090	207.038	206.843	206.938	207.334	207.573	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 207.773
MAXIMUM DAILY, 208.936 ON MAY 30
MINIMUM DAILY, 206.843 ON SEP 14
MAXIMUM INSTANTANEOUS,
208.950 AT 10:36 CST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 25 N
LONG 97 47 07 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1958 ADJ.)

CRYSTAL CREEK ABOVE CRYSTAL CITY DAM - STATION NO. 05OB801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	451.730E	451.625E	451.653E	451.708	451.433	451.033	---	---	1
2	---	---	---	---	451.733	451.623	451.648	451.708E	451.423E	451.048E	---	---	2
3	---	---	450.374	---	451.733E	451.618E	451.648E	451.708E	451.413	451.058	---	---	3
4	---	---	---	---	451.733E	451.606	451.643	451.708	451.401E	451.050E	---	---	4
5	---	---	---	---	451.733	451.598E	451.658E	451.698E	451.388	451.042E	---	---	5
6	---	---	---	---	---	451.733E	451.663	451.688E	451.683	451.387E	451.033	---	---	6
7	---	---	---	---	451.743	451.733	451.672E	451.663	451.671E	451.388E	451.008E	---	---	7
8	---	---	---	---	451.738E	451.733E	451.680E	451.663E	451.658	451.383	450.883	---	---	8
9	---	---	---	---	451.733	451.733	451.648	451.663	451.648E	451.378E	450.858E	---	---	9
10	---	---	---	---	451.731E	451.733?	451.641E	451.658E	451.638E	451.373	450.833	---	---	10
11	---	---	---	---	451.726	451.733E	451.633	451.633	451.626	451.368E	450.817E	---	---	11
12	---	---	---	---	451.778E	451.733	451.631E	451.641E	451.618E	451.368	450.800E	---	---	12
13	---	---	---	---	451.631E	451.731E	451.626	451.648E	451.606	451.360E	450.863	---	---	13
14	---	---	---	---	451.883	451.726	451.627E	451.658	451.598E	451.342E	450.871E	---	---	14
15	---	---	---	---	451.658E	451.726E	451.625E	451.670E	451.588	451.333	450.858	---	---	15
16	---	---	---	---	451.633	451.723	451.623	451.683	451.587E	451.332E	450.853E	---	---	16
17	---	---	---	---	451.632E	451.723E	451.621E	451.705E	451.585E	451.333	450.848	---	---	17
18	---	---	---	---	451.631	451.723E	451.618	451.726	451.583	451.326E	450.827E	---	---	18
19	---	---	---	---	451.629E	451.723	451.615E	451.727E	451.671E	451.323	450.805E	---	---	19
20	---	---	---	---	451.628E	451.718E	451.611	451.725E	451.556	451.323E	450.763	---	---	20
21	---	---	---	---	451.623	451.708	451.611E	451.723	451.548E	451.323E	450.758E	---	---	21
22	---	---	---	---	451.603E	451.698E	451.611E	451.718E	451.533	451.323	450.733	---	---	22
23	---	---	---	---	451.763	451.688	451.611	451.706	451.527E	451.323E	450.683E	---	---	23
24	---	---	---	---	451.771E	451.678E	451.615E	451.698E	451.520E	451.323	450.633	---	---	24
25	---	---	---	---	451.758	451.668E	451.626	451.683	451.513	451.323E	450.587E	---	---	25
26	---	---	---	---	451.748E	451.658	451.598E	451.663E	451.498E	451.322	450.500E	---	---	26
27	---	---	---	---	451.738E	451.648E	451.683	451.663E	451.483	451.258E	450.433	---	---	27
28	---	---	---	---	451.728	451.633	451.662E	451.683	451.458E	451.183E	450.408E	---	---	28
29	---		---	---	451.728E	451.631E	451.660E	451.695E	451.433	451.128	450.383	---	---	29
30	---		---	---	451.728	451.628	451.658	451.708	451.433E	451.081E	450.363E	---	---	30
31	---		---	---		451.627E		451.708E	451.433E		450.343		---	31
MEAN	---	---	---	---	---	451.705	451.584	451.662	451.585	451.332	450.790	---	---	MEAN
MAX	---	---	---	---	---	451.733	451.663	451.728	451.708	451.433	451.058	---	---	MAX
MIN	---	---	---	---	---	451.627	451.611	451.633	451.433	451.081	450.343	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 08 38 N
LONG 98 57 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1962

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

CRYSTAL CREEK NEAR CRYSTAL CITY - STATION NO. 05OB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.193	0.325	0.001	0.014	0.002	0	0	---	---	1
2	---	---	0 B	0.068	0.280	0.001	0.011	0.002	0	0	---	---	2
3	---	---	0 B	0.081	0.235	0.001	0.007	0.001	0	0	---	---	3
4	---	---	0 B	0.110	0.094	0.001	0.005	0.001	0	0	---	---	4
5	---	---	0 B	0.078	0.023	0.001	0.004	0.001	0	0	---	---	5
6	---	---	0 B	0.034	0.074	0	0.003	0.001	0	0	---	---	6
7	---	---	0 B	0.017	0.240	0	0.002	0	0	0	---	---	7
8	---	---	0 B	0.014	0.131	0	0.002	0	0	0	---	---	8
9	---	---	0 B	0.012	0.200	0	0.001	0	0	0	---	---	9
10	---	---	0 B	0.011	0.185	0	0.003	0	0	0	---	---	10
11	---	---	0 B	0.010	0.152	0	0.006	0	0	0	---	---	11
12	---	---	0 B	0.010	0.057	0	0.005	0	0	0	---	---	12
13	---	---	0 B	0.007	0.128	0	0.006	0	0	0	---	---	13
14	---	---	0 B	0.006	0.085	0	0.006	0	0	0	---	---	14
15	---	---	0 B	0.006	0.053	0	0.005	0	0	0	---	---	15
16	---	---	0 B	0.001	0.044	0	0.005	0	0	0	---	---	16
17	---	---	0 B	0.010	0.037	0	0.011	0	0	0	---	---	17
18	---	---	0 B	0.578	0.032	0	0.012	0	0	0	---	---	18
19	---	---	0 B	1.42	0.026	0	0.011	0	0	0	---	---	19
20	---	---	0 B	1.04	0.021	0	0.011	0	0	0	---	---	20
21	---	---	0.0048	0.487	0.018	0.001	0.010	0	0	0	---	---	21
22	---	---	3.86 B	0.212	0.014	0.008	0.005	0	0	0	---	---	22
23	---	---	4.04 B	0.107	0.013	0.013	0.004	0	0	0	---	---	23
24	---	---	2.88 B	0.101	0.013	0.060	0.003	0	0	0	---	---	24
25	---	---	1.80 B	0.089	0.012	0.432	0.002	0	0	0	---	---	25
26	---	---	1.33 B	0.085	0.012	0.370	0.002	0	0	0	---	---	26
27	---	---	1.33 B	0.089	0.010	0.140	0.002	0	0	0	---	---	27
28	---	---	1.32 B	0.075	0.004	0.031	0.002	0	0	0	---	---	28
29	---		0.8358	0.068	0.004	0.016	0.003	0	0	0	---	---	29
30	---		0.621	0.225	0.003	0.013	0.007	0	0	0	---	---	30
31	---		0.418		0.002		0.003	0		0		---	31
TOTAL	---	---	18.146	5.285	2.545	1.089	0.173	0.008	0	0	---	---	TOTAL
MEAN	---	---	0.585	0.176	0.082	0.036	0.006	0	0	0	---	---	MEAN
MAX	---	---	4.04	1.42	0.325	0.432	0.014	0.002	0	0	---	---	MAX
MIN	---	---	0	0.006	0.002	0	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.111
MAXIMUM DAILY, 4.040 ON MAR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.59 AT 18:18 CST ON MAR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 28 N
LONG 98 58 28 W
DRAINAGE AREA, 154 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	16.8
FEB	---	AUG	0.69
MAR	1 570	SEP	0
APR	455	OCT	0
MAY	220	NOV	---
JUN	94.1	DEC	---

TOTAL DISCHARGE, 2 350 dam³

CYPRESS CREEK NEAR CLEARWATER - STATION NO. 05OB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.56	0.332	0	0.282	0.008	0	0.006	---	---	1
2	---	---	0 B	1.21	0.318	0	0.349	0	0	0	---	---	2
3	---	---	0 B	1.13	0.310	5.83	0.214	0	0.002	0	---	---	3
4	---	---	0 B	1.21	0.294	3.48	0.324	0	0.002	0	---	---	4
5	---	---	0 B	1.03	0.274	1.88	0.424	0.001	0.001	0	---	---	5
6	---	---	0 B	0.889	0.267	1.01	0.273	0.004	0	0.002	---	---	6
7	---	---	0 B	0.776	0.268	0.737	0.181	0.009	0	0.002	---	---	7
8	---	---	0 B	0.702	0.287	0.488	0.136	0.011	0	0.004	---	---	8
9	---	---	0 B	0.632	0.278	0.327	0.090	0.027	0	0.005	---	---	9
10	---	---	0 B	0.427	0.283	0.333	0.068	0.027	0	0.006	---	---	10
11	---	---	0 B	0.357	0.287	0.141	0.077	0.031	0	0.006	---	---	11
12	---	---	0 B	0.300	0.225	0.090	0.076	0.029	0	0.006	---	---	12
13	---	---	0 B	0.284	0.260	0.063	0.092	0.027	0	0.009	---	---	13
14	---	---	0 B	0.247	0.278	0.041	0.084	0.024	0	0.007	---	---	14
15	---	---	0 B	0.178	0.214	0.036	0.084	0.022	0	0.008	---	---	15
16	---	---	0 B	0.230	0.178	0.028	0.118	0.017	0	0.008	---	---	16
17	---	---	0 B	0.288	0.152	0.011	0.133	0.015	0	0.008	---	---	17
18	---	---	0 B	0.538	0.131	0.011	0.082	0.014	0.001	0.008	---	---	18
19	---	---	0 B	3.61	0.1 [illegible]	0.014	0.023	0.011	0.002	0.010	---	---	19
20	---	---	0.8998	3.09	0.100	0.855	0.005	0.008	0.003	0.011	---	---	20
21	---	---	0.7588	1.86	0.088	8.99	0.002	0.001	0.004	0.010	---	---	21
22	---	---	3.72 B	1.58	0.089	5.78	0	0.002	0.005	0.009	---	---	22
23	---	---	5.62 B	1.28	0.050	3.02	0	0.004	0.005	0.008	---	---	23
24	---	---	6.41 B	0.925	0.035	2.26	0	0.003	0.004	0.008	---	---	24
25	---	---	6.37 B	0.656	0.018	1.72	0	0.001	0.013	0.008	---	---	25
26	---	---	5.30 B	0.408	0.017	1.32	0	0	0.018	0.008	---	---	26
27	---	---	4.12	0.338	0.012	0.878	0	0	0.025	0.006	---	---	27
28	---	---	3.75	0.309	0.006	0.671	0.002	0	0.032	0.006	---	---	28
29	---		2.89	0.290	0	0.478	0.008	0	0.041	0.003	---	---	29
30	---		2.33	0.321	0	0.383	0.001	0	0.018	0.003	---	---	30
31	---		1.89		0		0	0		0.005		---	31
TOTAL	---	---	45.785	26.568	5.246	36.263	3.059	0.282	0.184	0.193	---	---	TOTAL
MEAN	---	---	1.48	0.886	0.169	1.28	0.099	0.009	0.005	0.006	---	---	MEAN
MAX	---	---	6.37	3.61	0.380	8.99	0.424	0.031	0.041	0.011	---	---	MAX
MIN	---	---	0	0.178	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.488
MAXIMUM DAILY, 8.378 ON MAR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.19 AT 03:15 CST ON MAR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 21 N
LONG 98 58 54 W
DRAINAGE AREA, 388 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	284
FEB	---	AUG	25.2
MAR	3 980	SEP	14.2
APR	2 300	OCT	18.7
MAY	453	NOV	---
JUN	3 310	DEC	---

TOTAL DISCHARGE, 10 300 dam³

CYPRESS CREEK NEAR SARLES - STATION NO. 05OB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.481	0.183	0	0.181	0.005	0	0	0	0	1
2	0	0	0	0.481	0.181	0.001	0.133	0.003	0	0	0	0	2
3	0	0	0	0.538	0.122	0.068	0.118	0.002	0	0	0	0	3
4	0	0	0	0.425	0.147	0.034	0.158	0.001	0	0	0	0	4
5	0	0	0	0.425	0.190	0.013	0.142	0	0	0	0	0	5
6	0	0	0 B	0.388	0.181	0.005	0.108	0	0	0	0	0	6
7	0	0	0 B	0.340	0.125	0.005	0.082	0	0	0	0	0	7
8	0	0	0 B	0.231	0.150	0.003	0.085	0	0	0	0	0	8
9	0	0	0 B	0.150	0.105	0.002	0.048	0	0	0	0	0	9
10	0	0	0 B	0.133	0.150	0.002	0.051	0	0	0	0	0	10
11	0	0	0 B	0.127	0.183	0.001	0.068	0	0	0	0	0	11
12	0	0	0 B	0.1168	0.138	0.001	0.074	0	0	0	0	0	12
13	0	0	0 B	0.0788	0.113	0.001	0.074	0	0	0	0	0	13
14	0	0	0 B	0.0488	0.085	0	0.085	0	0	0	0	0	14
15	0	0	0.0088	0.0288	0.074	0	0.074	0	0	0	0	0	15
16	0	0	0.0718	0.0238	0.082	0.001	0.082	0	0	0	0	0	16
17	0	0	0.7668	0.0828	0.057	0	0.051	0	0	0	0	0	17
18	0	0	2.92 B	0.538	0.084	0	0.045	0	0	0	0	0	18
19	0	0	0.5868	1.42	0.048	0.040	0.042	0	0	0	0	0	19
20	0	0	0.2838	1.10	0.037	0.453	0.034	0	0	0	0	0	20
21	0	0	0.1708	0.906	0.023	1.75	0.038	0	0	0	0	0	21
22	0	0	3.36 B	0.783	0.016	2.87	0.021	0	0	0	0	0	22
23	0	0	3.11 B	0.885	0.014	2.38	0.018	0	0	0	0	0	23
24	0	0	3.80 B	0.311	0.013	1.70	0.011	0	0	0	0	0	24
25	0	0	3.48	0.178	0.014	1.38	0.007	0	0	0	0	0	25
26	0	0	1.78	0.185	0.014	1.02	0.008	0	0	0	0	0	26
27	0	0	1.80	0.170	0.011	0.823	0.008	0	0	0	0	0	27
28	0	0	1.25	0.142	0.007	0.395	0.010	0	0	0	0	0	28
29	0		0.880	0.108	0.005	0.281	0.010	0	0	0	0	0	29
30	0		0.851	0.133	0.003	0.185	0.008	0	0	0	0	0	30
31	0		0.880		0.001		0.005	0		0		0	31
TOTAL	0	0	24.413	10.874	2.487	13.345	1.810	0.011	0	0	0	0	TOTAL
MEAN	0	0	0.788	0.366	0.080	0.445	0.058	0	0	0	0	0	MEAN
MAX	0	0	3.80	1.42	0.183	2.87	0.181	0.005	0	0	0	0	MAX
MIN	0	0	0	0.023	0.001	0	0.005	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.144
MAXIMUM DAILY, 3.808 ON MAR 24
MINIMUM DAILY, 0 ON JAN 1

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 36 N
LONG 98 57 05 W
DRAINAGE AREA, 148 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	156
FEB	0	AUG	0.85
MAR	2 110	SEP	0
APR	822	OCT	0
MAY	315	NOV	0
JUN	1 150	DEC	0

TOTAL DISCHARGE, 4 550 dam³

CYPRESS RIVER NEAR BRUXELLES - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0048	9.36	1.28	0.104	0.083	0.418	0.006	0.033	---	---	1
2	---	---	0.0048	9.36	1.28	0.092	0.092	0.285	0.004	0.034	---	---	2
3	---	---	0.0049	8.85	1.58	0.077	0.275	0.238	0.004	0.038	---	---	3
4	---	---	0.0048	4.93	1.60	0.072	0.288	0.235	0.002	0.038	---	---	4
5	---	---	0.0048	3.78	2.85	0.066	0.232	0.204	0.001	0.064	---	---	5
6	---	---	0.0048	3.18	11.0	0.067	0.184	0.185	0	0.066	---	---	6
7	---	---	0.0048	2.82	11.8	0.052	0.108	0.143	0	0.040	---	---	7
8	---	---	0.0048	2.08	8.46	0.048	0.077	0.084	0	0.036	---	---	8
9	---	---	0.0048	1.74	4.57	0.039	0.068	0.087	0	0.029	---	---	9
10	---	---	0.0048	1.50	3.82	0.035	0.058	0.181	0	0.041	---	---	10
11	---	---	0.0048	1.30	3.33	0.031	0.085	0.188	0	0.051	---	---	11
12	---	---	0.0048	1.15	3.03	0.027	0.074	0.083	0	0.044	---	---	12
13	---	---	0.0048	0.861	2.34	0.024	0.070	0.082	0	0.042	---	---	13
14	---	---	0.0048	0.785	1.82	0.022	0.083	0.056	0	0.042	---	---	14
15	---	---	0.0048	0.673	1.37	0.023	0.067	0.059	0	0.042	---	---	15
16	---	---	0.0058	0.748	1.05	0.027	0.050	0.052	0.001	0.047	---	---	16
17	---	---	0.0198	0.748	0.818	0.028	0.050	0.043	0.005	0.027	---	---	17
18	---	---	0.0298	1.33	0.650	0.029	0.049	0.034	0.004	0.034	---	---	18
19	---	---	0.0308	1.78	0.508	0.031	0.051	0.031	0.003	0.027	---	---	19
20	---	---	0.0428	2.40	0.428	0.043	0.052	0.032	0.004	0.028	---	---	20
21	---	---	0.1348	4.30	0.360	1.20	0.051	0.018	0.006	0.024	---	---	21
22	---	---	1.51 B	3.55	0.314	1.12	0.050	0.017	0.011	0.024	---	---	22
23	---	---	1.94 B	3.05	0.277	0.289	0.044	0.015	0.010	0.025	---	---	23
24	---	---	2.55 B	2.62	0.251	0.210	0.038	0.014	0.009	0.025	---	---	24
25	---	---	8.78 B	2.40	0.243	0.152	0.035	0.017	0.015	0.023	---	---	25
26	---	---	8.59 B	1.97	0.218	0.126	0.034	0.015	0.012	0.021	---	---	26
27	---	---	7.82 B	1.61	0.208	0.119	0.030	0.032	0.011	0.023	---	---	27
28	---	---	11.4 B	1.41	0.182	0.107	0.047	0.023	0.009	0.024	---	---	28
29	---		16.7 B	1.30	0.167	0.098	0.235	0.023	0.016	0.021	---	---	29
30	---		17.3 B	1.38	0.133	0.095	0.851	0.014	0.024	0.021	---	---	30
31	---		12.7 B		0.157		0.558	0.010		0.024		---	31
TOTAL	---	---	93.581	77.451	83.484	4.433	3.784	2.873	0.158	1.049	---	---	TOTAL
MEAN	---	---	3.02	2.58	2.95	0.148	0.122	0.093	0.005	0.034	---	---	MEAN
MAX	---	---	16.7	9.36	11.8	1.20	0.851	0.418	0.024	0.066	---	---	MAX
MIN	---	---	0.004	0.748	0.133	0.022	0.030	0.010	0	0.021	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.01
MAXIMUM DAILY, 19.78 ON MAR 29
MINIMUM DAILY, 0 ON SEP 5
MAXIMUM INSTANTANEOUS,
31.78 AT 19:41 CST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 46 N
LONG 98 54 35 W
DRAINAGE AREA, 255 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	327
FEB	---	AUG	248
MAR	8 090	SEP	13.7
APR	6 690	OCT	90.6
MAY	5 480	NOV	---
JUN	383	DEC	---

TOTAL DISCHARGE, 21 300 dam³

CYPRESS RIVER NEAR CYPRESS RIVER - STATION NO. 05MH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0308	14.0	2.78	0.253	0.040	1.09	0.013	0.035	---	---	1
2	---	---	0.0308	11.4	2.61	0.294	0.030	0.971	0.015	0.030	---	---	2
3	---	---	0.0308	9.52	2.26	0.213	0.033	0.708	0.027	0.028	---	---	3
4	---	---	0.0308	7.45	2.42	0.176	0.885	0.528	0.031	0.024	---	---	4
5	---	---	0.0309	6.23	3.45	0.152	0.734	0.582	0.017	0.027	---	---	5
6	---	---	0.0309	5.03	9.03	0.136	0.580	0.511	0.012	0.032	---	---	6
7	---	---	0.0308	4.02	15.0	0.148	0.406	0.514	0.012	0.040	---	---	7
8	---	---	0.0308	3.30	11.3	0.099	0.312	0.415	0.012	0.084	---	---	8
9	---	---	0.0308	2.75	7.67	0.158	0.235	0.324	0.011	0.074	---	---	9
10	---	---	0.0308	3.44	5.82	0.116	0.319	0.287	0.012	0.062	---	---	10
11	---	---	0.0308	2.32	4.77	0.093	0.815	0.316	0.011	0.052	---	---	11
12	---	---	0.0308	2.05	3.85	0.037	0.585	0.436	0.011	0.050	---	---	12
13	---	---	0.0308	1.83	3.35	0.027	0.415	0.370	0.010	0.056	---	---	13
14	---	---	0.0308	1.66E	2.85	0.018	0.350	0.314	0.012	0.070	---	---	14
15	---	---	0.0309	1.64E	2.39	0.078	0.280	0.220	0.010	0.071	---	---	15
16	---	---	0.0408	1.83	1.98	0.086	0.232	0.187	0.016	0.065	---	---	16
17	---	---	0.0458	1.58	1.68	0.063	0.213	0.118	0.042	0.061	---	---	17
18	---	---	0.0508	2.03	1.41	0.033	0.276	0.103	0.037	0.085	---	---	18
19	---	---	0.0808	4.30	1.53	0.020	0.264	0.086	0.024	0.085	---	---	19
20	---	---	0.0818	3.32	1.20	0.048	0.257	0.070	0.015	0.073	---	---	20
21	---	---	0.2008	4.34	0.984	0.064	0.292	0.048	0.017	0.068	---	---	21
22	---	---	4.35 B	5.31	0.808	1.03	0.383	0.041	0.016	0.062	---	---	22
23	---	---	14.8 B	4.42	0.688	1.08	0.285	0.050	0.015	0.061	---	---	23
24	---	---	7.58 B	3.87	0.610	0.457	0.233	0.043	0.013	0.058	---	---	24
25	---	---	9.37 B	3.44	0.538	0.289	0.178	0.027	0.014	0.068	---	---	25
26	---	---	10.7 B	3.18	0.488	0.209	0.176	0.033	0.026	0.064	---	---	26
27	---	---	14.8 B	2.78	0.539	0.140	0.163	0.021	0.026	0.055	---	---	27
28	---	---	14.7 B	2.58	0.472	0.087	0.245	0.018	0.023	0.055	---	---	28
29	---		20.7 B	2.18	0.388	0.058	0.212	0.017	0.022	0.048	---	---	29
30	---		23.8 B	2.32	0.343	0.048	0.262	0.017	0.026	0.044	---	---	30
31	---		18.4		0.290		0.785	0.014		0.055		---	31
TOTAL	---	---	139.931	122.61	83.288	5.584	8.989	8.886	0.552	1.748	---	---	TOTAL
MEAN	---	---	4.51	4.09	3.01	0.186	0.323	0.275	0.018	0.055	---	---	MEAN
MAX	---	---	23.8	14.0	15.0	1.08	0.888	1.09	0.042	0.088	---	---	MAX
MIN	---	---	0.030	1.58	0.290	0.018	0.030	0.014	0.010	0.024	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.58
MAXIMUM DAILY, 23.88 ON MAR 30
MINIMUM DAILY, 0.010 ON SEP 13
MAXIMUM INSTANTANEOUS,
24.88 AT 08:37 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 31 N
LONG 98 02 00 W
DRAINAGE AREA, 572 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	884
FEB	---	AUG	728
MAR	12 100	SEP	47.7
APR	10 800	OCT	151
MAY	8 080	NOV	---
JUN	483	DEC	---

TOTAL DISCHARGE, 33 000 dam³

DAUPHIN LAKE AT OCHRE BEACH - STATION NO. 05LJ016

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	280.828	281.262	281.024	280.853	280.622	280.495	280.455	---	1
2	---	---	---	---	280.826	281.272	280.984	280.813	280.622	280.480E	280.435	---	2
3	---	---	---	---	280.838	281.262	280.984	280.820E	280.602	280.485	280.440	---	3
4	---	---	---	---	280.857E	281.332	280.984	280.828	280.702	280.515	280.435	---	4
5	---	---	---	---	280.878	281.272	281.024	280.795	280.801	280.545	280.455E	---	5
6	---	---	---	---	280.898	281.212	280.984	280.813	280.581	280.520	280.475	---	6
7	---	---	---	---	281.008	281.248	280.989	280.883	280.581	280.585	280.440	---	7
8	---	---	---	---	281.013	281.182	280.874	280.788	280.581	280.545	280.471E	---	8
9	---	---	---	---	281.073	281.172	280.984	280.813	280.581	280.485	280.503	---	9
10	---	---	---	---	281.053	281.255	280.984	280.783	280.556	280.545	280.505	---	10
11	---	---	---	---	281.258	281.155	280.884	280.782	280.556	280.535	280.485E	---	11
12	---	---	---	---	281.258	281.180E	280.858E	280.762	280.562E	280.505E	280.485E	---	12
13	---	---	---	---	281.272	281.185	280.854	280.782	280.589	280.475	280.475	---	13
14	---	---	---	---	281.282	281.155	280.954	280.752	280.581	280.485	280.490E	---	14
15	---	---	---	---	281.280	281.205	280.934	280.752	280.589	280.485	280.505	---	15
16	---	---	---	---	281.287	281.145	280.932	280.742	280.485	280.475	280.498E	---	16
17	---	---	---	---	281.332	281.125	280.944	280.702	280.585	280.485	280.481	---	17
18	---	---	---	---	281.277	281.105	280.893	280.712	280.555	280.485	280.481E	---	18
19	---	---	---	---	281.312	281.085	280.883	280.682	280.495	280.470E	280.490	---	19
20	---	---	---	---	281.282	281.135	280.928E	280.702	280.555	280.455	280.488E	---	20
21	---	---	---	---	281.282	281.085	280.873	280.682	280.505E	280.480	280.488E	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	281.262	281.085	280.878	280.742	280.455	280.485	280.483	---	22
24	---	---	---	280.738	281.302	281.084	280.853	280.782	280.485	280.445	280.484E	---	23
25	---	---	---	280.678	281.312	281.054	280.813	280.702	280.555	280.485	280.485	---	24
26	---	---	---	280.828	281.307	281.084	280.873	280.742	280.895	280.480E	280.483E	---	25
27	---	---	---	280.888	281.302	281.084	280.883	280.877	280.495	280.455	280.481E	---	26
28	---	---	---	280.818E	281.282	281.054	280.883	280.742	280.495	280.355	280.479E	---	27
29	---	---	---	280.768	281.282	281.124	280.833	280.832	280.525E	280.545	280.477E	---	28
30	---	---	---	280.778	281.277	281.078E	280.833	280.641	280.555	280.485	280.475	---	29
31	---	---	---	280.818	281.332	281.034	280.753	280.632	280.495	280.375	---	---	30
					281.287E		280.801	280.752		280.505		---	31
MEAN	---	---	---	---	281.176	281.150	280.924	280.748	280.556	280.485	---	---	MEAN
MAX	---	---	---	---	281.332	281.272	281.024	280.853	280.702	280.585	---	---	MAX
MIN	---	---	---	---	280.828	281.034	280.753	280.632	280.455	280.355	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 45 N
LONG 99 44 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

DAUPHIN LAKE AT OUTLET - STATION NO. 05LJ005

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.307	280.267	280.232	280.388	280.788	281.211	280.952	280.722	280.573	280.473	280.362	280.383	1
2	280.308	280.264	280.223	280.423	280.780	281.244	281.004	280.764	280.584	280.441	280.400	280.357	2
3	280.305	280.264	280.223	280.454	280.791	281.112	280.971	280.757	280.502	280.525	280.388	280.358	3
4	280.306	280.263	280.224	280.478	280.759	281.186	280.939	280.785	280.399	280.421	280.394	280.382	4
5	280.298	280.261	280.232	280.488	280.768	281.217	280.909	280.785	280.476	280.443	280.393	280.355	5
6	280.297	280.255	280.226	280.523	280.811	281.153	280.874	280.747	280.488	280.482	280.373	280.356	6
7	280.302	280.256	280.227	280.529	280.886	281.080	280.921	280.723	280.469	280.391	280.374	280.353	7
8	280.303	280.253	280.228	280.551	281.058	281.167	280.918	280.736	280.521	280.419	259.871	280.352	8
9	280.298	280.256	280.237	280.586	281.138	281.140	280.825	280.648	280.542	280.521	280.344	280.356	9
10	280.300	280.251	280.236	280.574	281.185	281.070	280.920	280.716	280.521	280.323	280.397	280.355	10
11	280.297	280.248	280.234	280.585	281.204	281.156	280.929	280.738	280.516	280.371	280.391	280.347	11
12	280.290	280.248	280.229	280.600	281.196	280.952	280.940	280.728	280.404	280.463	280.391	280.348	12
13	280.288	280.244	280.230	280.605	281.243	281.040	280.931	280.719	280.503	280.450	280.393	280.345	13
14	280.291	280.253	280.228	280.604	281.252	281.076	280.897	280.722	280.502	280.392	280.392	280.343	14
15	280.288	280.242	280.232	280.618	281.285	281.047	280.908	280.687	280.512	280.444	280.385	280.342	15
16	280.286	280.237	280.225	280.622	281.213	281.078	280.872	280.644	280.563	280.455	280.383	280.339	16
17	280.288	280.238	280.226	280.626	281.243	281.084	280.875	280.695	280.488	280.455	280.385	280.340	17
18	280.285	280.243	280.221	280.642	281.304	281.082	280.858	280.708	280.483	280.442	280.381	280.335	18
19	280.281	280.242	280.223	280.658	281.308	281.055	280.818	280.651	280.496	280.434	280.378	280.333	19
20	280.280	280.248	280.224	280.667	281.321	281.043	280.853	280.595	280.502	280.433	280.378	280.333	20
21	280.277	280.241	280.224	280.685	281.327	281.032	280.831	280.677	280.506	280.426	280.370	280.339	21
22	280.280	280.244	280.224	280.692	281.307	280.984	280.870	280.619	280.488	280.395	280.371	280.331	22
23	280.269	280.240	280.227	280.686	281.284	281.016	280.841	280.670	280.480	280.436	280.373	280.324	23
24	280.272	280.236	280.230	280.706	281.249	281.078	280.777	280.683	280.478	280.435	280.372	280.325	24
25	280.268	280.235	280.252	280.710	281.248	280.986	280.823	280.529	280.637	280.433	280.372	280.321	25
26	280.270	280.232	280.267	280.708	281.285	280.995	280.808	280.607	280.518	280.413	280.375	280.323	26
27	280.271	280.235	280.268	280.714	281.250	280.957	280.812	280.625	280.504	280.473	280.372	280.324	27
28	280.269	280.233	280.276	280.721	281.236	280.948	280.803	280.620	280.511	280.318	280.366	280.317	28
29	280.271		280.305	280.738	281.228	280.983	280.802	280.604	280.489	280.388	280.363	280.317	29
30	280.264		280.339	280.748	281.177	280.973	280.726	280.607	280.490	280.522	280.384	280.312	30
31	280.284		280.367		281.143		280.741	280.506		280.140		280.311	31
MEAN	280.287	280.247	280.243	280.611	281.140	281.070	280.873	280.677	280.506	280.424	280.362	280.339	MEAN
MAX	280.308	280.267	280.367	280.748	281.327	281.244	281.004	280.765	280.637	280.525	280.400	280.363	MAX
MIN	280.264	280.232	280.221	280.388	280.759	280.948	280.726	280.506	280.388	280.140	259.871	280.311	MIN

WATER LEVELS IN METRES

MEAN, 280.687
MAXIMUM DAILY, 281.327 ON MAY 21
MINIMUM DAILY, 259.871 ON NOV 8
MAXIMUM INSTANTANEOUS,
281.433 AT 04:15 CST ON JUN 2

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 22 N
LONG 99 57 00 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN RIVER NEAR ANAMA BAY - STATION NO. 05LM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	58.0B	61.3B	68.3B	96.6B	131	228	246	238	136	85.3	52.7B	42.8B	1
2	57.8B	61.2B	67.8B	106 B	141	244	240	236	136	76.7	55.4B	43.0B	2
3	57.6B	62.2B	67.9B	113 B	147	243	247	238	139	74.2	56.6B	43.2B	3
4	57.5B	62.9B	68.1B	127 B	144	234	247	237	132	80.4	54.9B	43.3B	4
5	57.3B	63.1B	68.1B	137 B	131	240	245	235	121	74.5	53.2B	43.4B	5
6	57.2B	63.6B	68.6B	140 B	120	239	249	234	125	80.2	51.5B	43.2B	6
7	57.1B	63.5B	68.8B	143 B	144	238	248	231	125	74.2	50.4B	43.0B	7
8	56.5B	64.2B	68.3B	146 B	164	238	244	230	123	68.2	41.7B	42.8B	8
9	56.3B	64.5B	68.6B	142 B	159	247	243	228	121	75.9	35.6B	42.2B	9
10	56.5B	64.5B	69.0B	138 A	174	243	242	223	120	77.9	36.3B	42.6B	10
11	57.4B	65.1B	68.6B	137	178	243	244	227	117	85.7	37.0B	43.2B	11
12	56.6B	65.5B	68.7B	132	182	248	248	231	105	89.6	37.7B	43.1B	12
13	56.7B	65.2B	69.5B	132	190	242	243	230	102	72.8	39.4B	42.7B	13
14	56.8B	65.2B	69.9B	127	194	242	245	224	108	66.2	40.0B	43.1B	14
15	56.6B	65.1B	70.3B	127	200	246	247	221	106	66.6	40.4B	43.8B	15
16	57.5B	65.1B	71.2B	132	204	240	247	215	104	67.1	40.7B	44.2B	16
17	57.4B	65.2B	72.5B	135	198	245	244	211	103	67.8	41.1B	44.6B	17
18	57.6B	64.6B	73.4B	136	204	248	245	211	100	69.2	41.4B	45.0B	18
19	58.7B	64.6B	71.3B	136	214	247	247	208	100	66.6	41.7B	45.4B	19
20	59.2B	64.7B	72.8B	130	221	246	240	192	89.2	65.7	41.9B	46.1B	20
21	59.5B	65.0B	74.5B	136	222	246	243	193	86.7	66.2	42.0B	46.8B	21
22	59.4B	65.4B	74.9B	142	223	246	242	191	86.7	61.2	42.1B	47.0B	22
23	60.3B	65.4B	70.1B	140	224	238	246	181	86.4	61.2	42.0B	47.2B	23
24	60.5B	65.5B	74.0B	138	223	244	243	182	89.5	64.7	41.9B	47.7B	24
25	61.1B	65.4B	76.2B	140	227	254	242	185	76.8	66.8	41.7B	47.9B	25
26	60.8B	65.5B	79.2B	131	231	251	245	180	71.4	67.0	41.7B	46.1B	26
27	61.1B	65.9B	81.6B	126	234	249	239	161	75.2	64.9	41.6B	46.1B	27
28	61.6B	67.0B	84.3B	131	235	248	238	163	81.9	58.3	42.0B	46.2B	28
29	61.3B		85.7B	138	238	245	240	163	85.6	57.1B	42.2B	46.4B	29
30	60.6B		88.1B	136	235	246	243	156	85.6	60.6B	42.5B	46.0B	30
31	60.6B		91.4B		229		243	147		53.6B		46.3B	31
TOTAL	1 814.1	1 806.7	2 273.0	3 972.6	5 953	7 308	7 585	6 364	3 179.2	2 126.7	1 309.5	1 388.0	TOTAL
MEAN	58.5	64.5	73.3	132	192	244	244	205	106	68.6	43.7	45.1	MEAN
MAX	61.6	67.0	91.4	145	238	254	249	238	139	85.3	56.6	49.3	MAX
MIN	56.3	61.2	67.8	96.6	120	228	238	147	71.4	53.6	36.6	42.2	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 123
MAXIMUM DAILY, 254 ON JUN 25
MINIMUM DAILY, 35.6B ON NOV 9
MAXIMUM INSTANTANEOUS,
256 AT 08:35 CST ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 00 N
LONG 98 19 20 W
DRAINAGE AREA, 82 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	157 000	JUL	654 000
FEB	156 000	AUG	550 000
MAR	196 000	SEP	275 000
APR	343 000	OCT	184 000
MAY	514 000	NOV	113 000
JUN	631 000	DEC	121 000

TOTAL DISCHARGE, 3 890 000 dam³

DEAD CREEK NEAR LEE RIVER NORTH OF PINAWA - STATION NO. 05PF065

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.092B	0.060B	0.042B	1.79	11.2	0.171	0.015E	0.005E	0 E	0.024E	0.069B	0.146B	1
2	0.092B	0.060B	0.041B	1.88	8.77	0.095	0.025E	0.005E	0.004E	0.022E	0.073B	0.144B	2
3	0.093B	0.059B	0.041B	2.35	6.98	0.122	0.024E	0.005E	0.006E	0.020E	0.077B	0.141B	3
4	0.093B	0.058B	0.040B	3.04	5.62	0.084	0.023E	0.005E	0.008E	0.018E	0.081B	0.138B	4
5	0.083B	0.058B	0.039B	3.49	4.63	0.104	0.022E	0.004E	0.008E	0.016E	0.085B	0.135B	5
6	0.083B	0.057B	0.039B	3.85	3.91	0.180	0.021E	0.004E	0.009E	0.014E	0.089B	0.132B	6
7	0.084B	0.056B	0.038B	4.33	3.28	0.294	0.020E	0.004E	0.011E	0.012E	0.093B	0.130B	7
8	0.084B	0.056B	0.037B	4.53	2.72	0.295	0.019E	0.004E	0.013E	0.010E	0.097B	0.127B	8
9	0.082B	0.055B	0.037B	4.46	2.27	0.249	0.018A	0.004E	0.015E	0.008E	0.100B	0.124B	9
10	0.080B	0.054B	0.036B	4.11	1.96	0.102	0.016E	0.003E	0.015E	0.006	0.104B	0.121B	10
11	0.088B	0.054B	0.035B	3.60	1.81	0.086	0.014E	0.503E	0.014E	0.012	0.106B	0.118B	11
12	0.086B	0.053B	0.035B	3.13	1.78	0.122	0.013E	0.003E	0.014E	0.013E	0.112B	0.116B	12
13	0.084B	0.052B	0.034B	2.76	1.72	0.109	0.011E	0.003A	0.013E	0.013	0.116B	0.113B	13
14	0.082B	0.052B	0.040B	2.26	1.61	0.058	0.010E	0.003E	0.013E	0.015	0.120B	0.110B	14
15	0.080B	0.051B	0.045B	2.03	1.50	0.039	0.008E	0.003E	0.012E	0.009	0.124B	0.107B	15
16	0.078B	0.051B	0.051B	2.12	1.34	0.221	0.007E	0.002E	0.012E	0.009	0.126B	0.105B	16
17	0.078B	0.050B	0.056B	1.96	1.25	0.100	0.006E	0.002E	0.011A	0.011	0.132B	0.102B	17
18	0.074B	0.049B	0.062B	1.47	1.17	0.035	0.004A	0.002E	0.011E	0.016	0.136B	0.099B	18
19	0.072B	0.048B	0.068B	1.46	1.07	0.025	0.003E	0.001E	0.011E	0.025	0.140B	0.096B	19
20	0.070B	0.048B	0.073B	1.88	0.950	0.015	0.002E	0.001E	0.012E	0.086	0.143B	0.093B	20
21	0.068B	0.047B	0.079B	1.66	0.843	0.002	0.002E	0.001E	0.012E	0.036	0.147B	0.091B	21
22	0.067B	0.047B	0.084B	1.61	0.731	0.003E	0.002E	0.001A	0.012E	0.030	0.151B	0.088B	22
23	0.066B	0.046B	0.090B	1.59	0.641	0.005E	0.003E	0.001E	0.012E	0.034B	0.155B	0.085B	23
24	0.065B	0.045B	0.096B	1.60	0.555	0.006E	0.003E	0.001E	0.012E	0.038B	0.159B	0.082B	24
25	0.065B	0.045B	0.101B	1.61	0.486	0.007E	0.003E	0 E	0.012E	0.042B	0.163B	0.079B	25
26	0.064B	0.044B	0.107B	2.07	0.478	0.009E	0.004E	0 E	0.013E	0.046B	0.160B	0.077B	26
27	0.064B	0.043B	0.113	3.63	0.431	0.010E	0.004E	0 E	0.013E	0.050B	0.157B	0.074B	27
28	0.063B	0.043B	0.190	5.79	0.380	0.011E	0.004E	0 E	0.013	0.053B	0.155B	0.071B	28
29	0.062B		0.811	9.32	0.331	0.012E	0.005E	0 E	0.026	0.057B	0.152B	0.068B	29
30	0.062B		1.06	11.6	0.243	0.014E	0.005E	0 E	0.026E	0.061B	0.149B	0.068B	30
31	0.061B		1.48		0.216		0.005A	0 E		0.065B		0.063B	31
TOTAL	2.424	1.442	5.100	96.78	70.686	2.575	0.321	0.070	0.365	0.855	3.675	3.241	TOTAL
MEAN	0.078	0.052	0.165	3.23	2.29	0.086	0.010	0.002	0.012	0.028	0.123	0.105	MEAN
MAX	0.094	0.060	1.48	11.6	11.2	0.295	0.025	0.005	0.026	0.065	0.163	0.146	MAX
MIN	0.061	0.043	0.034	1.46	0.216	0.002	0.002	0	0	0.006	0.069	0.063	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.514
MAXIMUM DAILY, 11.6 ON APR 30
MINIMUM DAILY, 0E ON AUG 25
MAXIMUM INSTANTANEOUS,
12.0 ON APR 30

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

TYPE OF GAUGE - RECORDING
LOCATION - LAT N
LONG W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	208	JUL	27.7
FEB	125	AUG	6.05
MAR	441	SEP	31.5
APR	8 360	OCT	73.9
MAY	6 120	NOV	318
JUN	222	DEC	280

TOTAL DISCHARGE, 16 200 dam³

DEADHORSE CREEK AT MORDEN - STATION NO. 05DC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	1.36	1.48	0.011	0.003	0.003	0	0	---	---	1
2	---	---	0	B	0.872	0.782	0.054	0.002	0.002	0	0	---	---	2
3	---	---	0	B	0.771	0.478	0.055	0.003	0.001	0	0	---	---	3
4	---	---	0	B	0.788	0.251	0.013	0.003	0.005	0	0	---	---	4
5	---	---	0	B	0.533	0.218	0.009	0.005	0.004	0	0	---	---	5
6	---	---	0	E	0.341	0.309	0.009	0.004	0.005	0	0	---	---	6
7	---	---	0	B	0.287	0.477	0.010	0.005	0.003	0	0	---	---	7
8	---	---	0	B	0.228	0.380	0.008	0.003	0.003	0	0	---	---	8
9	---	---	0	B	0.178	0.448	0.007	0.002	0.003	0	0	---	---	9
10	---	---	0	B	0.147	0.338	0.008	0.007	0.003	0	0	---	---	10
11	---	---	0	B	0.122	1.80	0.008	0.008	0.001	0	0	---	---	11
12	---	---	0	B	0.137	11.7	0.006	0.008	0	0	0	---	---	12
13	---	---	0	B	0.107	2.48	0.006	0.009	0	0	0	---	---	13
14	---	---	0	B	0.110	1.01	0.006	0.007	0	0	0.001	---	---	14
15	---	---	0	B	0.078	0.588	0.008	0.005	0	0	0.001	---	---	15
16	---	---	0	B	0.084	0.248	0.008	0.008	0	0	0.001	---	---	16
17	---	---	0.0198		0.110	0.178	0.006	0.008	0	0	0.001	---	---	17
18	---	---	0.8268		0.948	0.166	0.007	0.006	0	0	0.001	---	---	18
19	---	---	0.0758		5.30	0.182	0.006	0.004	0	0	0	---	---	19
20	---	---	0.0088		2.11	0.137	0.008	0.004	0	0	0	---	---	20
21	---	---	0.1828		0.832	0.082	0.009	0.005	0	0	0	---	---	21
22	---	---	9.36	B	0.595	0.059	0.005	0.003	0	0	0	---	---	22
23	---	---	11.9	B	0.184	0.048	0.004	0.003	0	0	0	---	---	23
24	---	---	3.34	B	0.192	0.058	0.004	0.003	0	0	0	---	---	24
25	---	---	2.72	B	0.171	0.057	0.012	0.001	0	0	0	---	---	25
26	---	---	2.84	B	0.273	0.087	0.010	0.010	0	0	0	---	---	26
27	---	---	2.37		0.642	0.044	0.005	0.006	0	0	0.001	---	---	27
28	---	---	3.17		0.853	0.039	0.004	0.007	0	0	0.001	---	---	28
29	---		3.16		0.713	0.047	0.002	0.006	0	0	0	---	---	29
30	---		2.62		0.905	0.024	0.003	0.007	0	0	0	---	---	30
31	---		1.81			0.017		0.003	0		0	---	---	31
TOTAL	---	---	44.258		20.972	23.959	0.310	0.158	0.033	0	0.007	---	---	TOTAL
MEAN	---	---	1.43		0.699	0.773	0.010	0.005	0.001	0	0	---	---	MEAN
MAX	---	---	11.9		5.30	11.7	0.055	0.010	0.005	0	0.001	---	---	MAX
MIN	---	---	0		0.078	0.017	0.002	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.366
MAXIMUM DAILY, 11.88 ON MAR 23
MINIMUM DAILY, 0$ ON MAR 1
MAXIMUM INSTANTANEOUS,
26.69 AT 01:24 CST ON MAR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 98 06 38 W
DRAINAGE AREA, 142 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	13.7
FEB	---	AUG	2.85
MAR	3 820	SEP	0
APR	1 810	OCT	0.80
MAY	2 070	NOV	---
JUN	26.8	DEC	---

TOTAL DISCHARGE, 7 740 dam³

DEER RIVER NORTH OF BELCHER - STATION NO. 05FD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR		MAY		JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6308	0.4078	0.3768	0.3848		0.3908		51.7	60.2	38.6	25.1	12.0	4.048	1.748	1
2	0.6218	0.4048	0.3768	0.3848		0.3938		47.4	74.3	35.0	23.2	11.7	3.858	1.718	2
3	0.6108	0.4048	0.3768	0.3848		0.3968		44.1	65.7	32.0	21.4	11.4	3.788	1.688	3
4	0.6028	0.4048	0.3738	0.3848		0.4018		40.0	56.9	29.1	20.7	11.1	3.698	1.638	4
5	0.5918	0.4018	0.3738	0.3848		0.4158		38.1	50.8	26.7	20.4	11.0	3.548	1.588	5
6	0.5828	0.4018	0.3738	0.3868		0.4438		33.1	51.1	24.6	20.0	10.7	3.468	1.568	6
7	0.5718	0.4018	0.3738	0.3868		0.4718		31.3	75.9	23.0	19.7	10.5	3.318	1.538	7
8	0.5638	0.4018	0.3738	0.3868		0.5138		29.8	103	22.7	19.7	9.978	3.248	1.498	8
9	0.5528	0.3988	0.3738	0.3868		0.5588		30.5	109	24.1	19.7	9.808	3.188	1.478	9
10	0.5408	0.3988	0.3738	0.3868		0.6248		38.2	104	24.7	19.3	9.228	3.018	1.448	10
11	0.5298	0.3988	0.3768	0.3868		0.7368		38.6	94.2	24.4	18.8	8.858	2.848	1.408	11
12	0.5188	0.3988	0.3768	0.3868		2.32	B	57.1	82.2	23.4	18.3	8.488	2.868	1.388	12
13	0.5078	0.3968	0.3768	0.3868		8.87	B	101	68.8	22.4	17.6	8.128	2.798	1.318	13
14	0.4998	0.3968	0.3768	0.3868		21.1	B	127	58.9	21.6	17.3	7.768	2.718	1.298	14
15	0.4908	0.3968	0.3768	0.3868		62.6	B	128	46.6	21.1	16.8	7.548	2.648	1.258	15
16	0.4858	0.3938	0.3768	0.3908		134	B	118	38.6	21.1	16.2	7.328	2.578	1.238	16
17	0.4788	0.3938	0.3768	0.3908		215	B	102	33.4	21.5	15.6	6.998	2.518	1.218	17
18	0.4688	0.3938	0.3798	0.3908		283	B	85.3	30.0	21.7	15.3	6.778	2.448	1.188	18
19	0.4628	0.3908	0.3798	0.3908		280	E	71.8	31.5	22.2	15.0	6.448	2.388	1.178	19
20	0.4578	0.3908	0.3798	0.3908		243	E	59.8	39.1	26.5	14.6	6.228	2.328	1.158	20
21	0.4518	0.3878	0.3798	0.3908		212	E	50.0	45.0	37.0	14.1	6.008	2.258	1.148	21
22	0.4488	0.3878	0.3798	0.3908		192	E	44.1	48.2	50.4	13.8	5.788	2.198	1.138	22
23	0.4408	0.3848	0.3798	0.3908		172	E	45.8	50.1	60.8	13.6	5.588	2.128	1.128	23
24	0.4358	0.3848	0.3798	0.3908		153	E	46.0	54.1	65.2	13.4	5.348	2.088	1.118	24
25	0.4288	0.3828	0.3828	0.3908		133	E	47.8	57.7	63.6	13.2	5.148	2.018	1.108	25
26	0.4238	0.3828	0.3828	0.3908		112	E	49.0	59.8	59.1	12.8	4.908	1.958	1.108	26
27	0.4188	0.3798	0.3828	0.3908		97.0	A	55.7	59.8	52.6	12.6	4.808	1.908	1.088	27
28	0.4158	0.3798	0.3828	0.3908		87.4		63.7	57.7	45.2	12.3	4.808	1.858	1.078	28
29	0.4098		0.3828	0.3908		74.5		65.3	54.0	37.5	12.0	4.418	1.818	1.088	29
30	0.4078		0.3828	0.3908		64.5		63.2	48.9	31.9	12.0	4.228	1.778	1.058	30
31	0.4078		0.3828			57.3			44.0	27.7		4.138		1.048	31
TOTAL	15.433	11.026	11.898	11.830	2	611.040	1	871.4	1 871.4	1 037.4	504.8	236.56	81.17	40.40	TOTAL
MEAN	0.498	0.394	0.377	0.388		84.2		62.4	60.4	33.5	16.8	7.63	2.71	1.30	MEAN
MAX	0.630	0.407	0.382	0.390		283		128	109	65.2	25.1	12.0	4.04	1.74	MAX
MIN	0.407	0.379	0.373	0.384		0.390		28.8	30.0	21.1	12.0	4.13	1.77	1.04	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.8
MAXIMUM DAILY, 2838 ON MAY 18
MINIMUM DAILY, 0.3738 ON MAR 4

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 54 N
LONG 94 11 44 W
DRAINAGE AREA, 1 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 330	JUL	162 000
FEB	953	AUG	89 500
MAR	1 010	SEP	43 800
APR	1 000	OCT	20 400
MAY	225 000	NOV	7 010
JUN	182 000	DEC	3 490

TOTAL DISCHARGE, 715 000 dam³

DELORAINE RESERVOIR NEAR DELORAINE - STATION NO. 05NG014

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	539.695E	540.175	540.185	540.130	540.002	539.909	539.578	539.488	539.408	---	1
2	---	---	539.694A	540.189	540.180	540.122	539.995	539.905	539.570	539.489	539.408	---	2
3	---	---	539.693E	540.183	540.185	540.118	539.989	539.899	539.563	539.487	539.406	---	3
4	---	---	539.691E	540.108	540.189	540.112	539.985	539.893	539.556	539.483	539.405A	---	4
5	---	---	539.689E	540.038	540.256	540.104	539.983	539.886	539.548	539.481	---	---	5
6	---	---	539.687E	540.080	540.381	540.095	539.975	539.758	539.543	539.481	---	---	6
7	---	---	539.686A	540.105	540.434	540.094	539.964	539.742	539.538	539.479	---	---	7
8	---	---	539.684E	540.105	540.420	540.087	539.953	539.736	539.531	539.478	---	---	8
9	---	---	539.683E	540.039	540.383	540.081	539.957	539.736	538.526	539.478	---	---	9
10	---	---	539.681E	540.005	540.382	540.075	539.959	539.732	539.521	539.472	---	---	10
11	---	---	539.680E	540.089	540.380	540.089	539.957	539.723	539.517	539.469	---	---	11
12	---	---	539.678E	540.131	540.331	540.058	539.956	539.717	539.513	539.464	---	---	12
13	---	---	539.678E	540.073	540.293	540.050	539.957	539.710	539.508	539.460	---	---	13
14	---	---	539.674E	540.083	540.262	540.044	539.958	539.703	539.504	539.456	---	---	14
15	---	---	539.587E	540.102	540.220	540.048	539.953	539.695	539.498	539.453	---	---	15
16	---	---	539.700A	540.120	540.144	540.061	539.949	539.688	539.500	539.450	---	---	16
17	---	539.686A	539.939A	540.140	540.068	540.058	539.959	539.680	539.503	539.448	---	---	17
18	---	---	540.016	540.133	539.998	540.053	539.961	539.673	539.498	539.444	---	---	18
19	---	---	540.077	540.181	540.010	540.055	539.954	539.667	539.495	539.442	---	---	19
20	---	---	540.100	540.187	540.045	540.084	539.956	539.656	539.494	539.440	---	---	20
21	---	---	540.105	540.207	540.071	540.063	539.958	539.647	539.493	539.437	---	---	21
22	---	---	540.157	540.225	540.087	540.054	539.952	539.640	539.490	539.434	---	---	22
23	---	---	540.178	540.220	540.117	540.047	539.944	539.637	539.487	539.432	---	---	23
24	---	---	540.168	540.179	540.140	540.042	539.936	539.629	539.483	539.430	---	---	24
25	---	---	540.167	540.109	540.158	540.034	539.929	539.624	539.488	539.427	---	---	25
26	---	---	540.101	540.037	540.154	540.030	539.931	539.620	539.485	539.424	---	---	26
27	---	---	540.075	540.067	540.165	540.025	539.928	539.613	539.484	539.424	---	---	27
28	---	---	540.098	540.103	540.162	540.019	539.933	539.604	539.480	539.420	---	---	28
29	---		540.078	540.138	540.158	540.014	539.930	539.598	539.482	539.418	---	---	29
30	---		540.126	540.165	540.150	540.008	539.923	539.591	539.481	539.416	---	---	30
31	---		540.165		540.141		539.913	539.584		539.415		---	31
MEAN	---	---	539.888	540.123	540.202	540.064	539.955	539.706	539.514	539.452	---	---	MEAN
MAX	---	---	540.178	540.225	540.434	540.130	540.002	539.909	539.578	539.488	---	---	MAX
MIN	---	---	539.674	540.005	539.999	540.008	539.913	539.584	539.483	539.415	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 540.434 ON MAY 7
MINIMUM DAILY, 539.405A ON NOV 4
MAXIMUM INSTANTANEOUS,
540.437 AT 05:20 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 50 N
LONG 100 24 40 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1963 ADJ.)

DENNIS LAKE NEAR MALONTON - STATION NO. 05SB801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	286.343	286.404	286.328	286.282	286.170	286.185	---	---	1
2	---	---	---	---	286.328	286.386	286.322	286.292	286.184	286.182	---	---	2
3	---	---	---	---	286.310	286.407	286.310	286.285	286.187	286.179	---	---	3
4	---	---	---	286.209A	286.337	286.395	286.316	286.279	286.173	286.179	---	---	4
5	---	---	---	---	286.362	286.380	286.322	286.273	286.176	286.179	---	---	5
6	---	---	---	---	286.414	286.380	286.331	286.267	286.170	286.179	---	---	6
7	---	---	---	---	286.404	286.423	286.313	286.270	286.187	286.182	286.182A	---	7
8	---	---	---	286.221A	286.407	286.389	286.301	286.270	286.181	286.182	---	---	8
9	---	---	---	---	286.385	286.380	286.298	286.278	286.151	286.182A	---	---	9
10	---	---	---	286.212A	286.423	286.392	286.289	286.278	286.148	---	---	---	10
11	---	---	---	286.218	286.423	286.377	286.322	286.267	286.139	---	---	---	11
12	---	---	---	286.218	286.447	286.407	286.322	286.255	286.136	---	---	---	12
13	---	---	---	286.215	286.447	286.383	286.331	286.248	286.130	---	---	---	13
14	---	---	---	286.221	286.438	286.374	286.328	286.246	286.124	---	---	---	14
15	---	---	---	286.225	286.447	286.368	286.328	286.243	286.118	---	---	---	15
16	---	---	---	286.218	286.471	286.368	286.331	286.240	286.115	---	---	---	16
17	---	---	---	286.215	286.456	286.356	286.331	286.234	286.139	---	---	---	17
18	---	---	---	286.228	286.447	286.353	286.337	286.225	286.142	---	---	---	18
19	---	---	---	286.255	286.432	286.345	286.337	286.221	286.142	---	---	---	19
20	---	---	---	286.241	286.435	286.350	286.328	286.228	286.139	---	---	---	20
21	---	---	---	286.249	286.435	286.350	286.325	286.221	286.139	---	---	---	21
22	---	---	---	286.240	286.429	286.359	286.316	286.215	286.136	---	---	---	22
23	---	---	---	286.258	286.426	286.346	286.304	286.212	286.136	---	---	---	23
24	---	---	---	286.273	286.432	286.322	286.316	286.206	286.133	---	---	---	24
25	---	---	---	286.252	286.438	286.331	286.301	286.212	286.148	---	---	---	25
26	---	---	---	286.276	286.435	286.343	286.298	286.209	286.161	---	---	---	26
27	---	---	---	286.282	286.432	286.356	286.304	286.203	286.179	---	---	---	27
28	---	---	---	286.301	286.429	286.346	286.304	286.197	286.179	---	---	---	28
29	---		---	286.292	286.426	286.334	286.295	286.188	286.185	---	---	---	29
30	---		---	286.310	286.426	286.328	286.304	286.182	286.188	---	---	---	30
31	---		---		286.417		286.298	286.176		---		---	31
MEAN	---	---	---	---	286.418	286.388	286.316	286.239	286.152	---	---	---	MEAN
MAX	---	---	---	---	286.471	286.423	286.337	286.292	286.188	---	---	---	MAX
MIN	---	---	---	---	286.310	286.322	286.289	286.176	286.115	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 46 N
LONG 97 20 38 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DEVILS CREEK NEAR LIBAU - STATION NO. 05OJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	15.1 B	13.4	0.189	0.104A	0.210A	0.031	0.233	---	---	1
2	---	---	0 B	13.6	7.09	0.192	0.079A	0.148A	0.033	0.203	---	---	2
3	---	---	0 B	11.8	3.42	0.198	0.068A	0.118A	0.044	0.134	---	---	3
4	---	---	0 B	8.90	2.17	0.183	0.067A	0.084A	0.048	0.105	---	---	4
5	---	---	0 B	6.26	1.65	0.173	0.102A	0.084A	0.049	0.090	---	---	5
6	---	---	0 B	4.23	1.48	0.173	0.088A	0.070A	0.051	0.085	---	---	6
7	---	---	0 B	4.38	1.28	0.210	0.078A	0.068A	0.047	0.080	---	---	7
8	---	---	0 B	4.08	1.00	0.213	0.078A	0.094	0.047	0.071	---	---	8
9	---	---	0 B	2.72	0.843	0.190	0.084A	0.085	0.043	0.080	---	---	9
10	---	---	0 B	2.11	0.881	0.191	0.084A	0.072	0.040	0.080	---	---	10
11	---	---	0 B	1.59 B	0.871	0.185	0.087A	0.063	0.038	0.080	---	---	11
12	---	---	0 B	1.22 B	1.22	0.194	0.100A	0.062	0.039	0.080	---	---	12
13	---	---	0 B	0.7448	1.44	0.158A	0.146A	0.062	0.037	0.080	---	---	13
14	---	---	0 B	0.6568	1.18	0.138A	0.146A	0.057	0.041	0.080	---	---	14
15	---	---	0 B	0.790	0.880	0.177A	0.142A	0.052	0.038	0.084	---	---	15
16	---	---	0 B	0.748	0.847	0.138A	0.112A	0.047	0.040	0.082	---	---	16
17	---	---	0 B	0.923	0.700	0.133A	0.087A	0.045	0.051	0.054	---	---	17
18	---	---	0 B	0.939	0.624	0.118A	0.087A	0.038	0.054	0.058	---	---	18
19	---	---	0 B	1.51	0.510	0.148A	0.078A	0.043	0.054	0.057	---	---	19
20	---	---	0 B	1.69	0.481	0.142A	0.087A	0.047	0.051	0.055	---	---	20
21	---	---	0 B	1.26	0.445	0.171A	0.078A	0.047	0.052	0.056	---	---	21
22	---	---	0 B	1.14	0.375	0.127A	0.084A	0.044	0.052	0.058	---	---	22
23	---	---	0.0038	1.02	0.331	0.144A	0.056A	0.045	0.054	0.057	---	---	23
24	---	---	0.2358	0.989	0.315	0.167A	0.056A	0.044	0.054	0.059	---	---	24
25	---	---	1.06 B	0.758	0.300	0.114A	0.048A	0.040	0.055	0.059	---	---	25
26	---	---	0.9828	1.93	0.279	0.165A	0.048A	0.039	0.068	0.058	---	---	26
27	---	---	0.6158	5.75	0.265	0.162A	0.055A	0.041	0.089	0.054	---	---	27
28	---	---	3.47 B	8.49	0.245	0.136A	0.055A	0.041	0.103	0.052	---	---	28
29	---		17.7 B	7.15	0.231	0.116A	0.103A	0.037	0.117	0.054	---	---	29
30	---		17.4 B	4.30	0.211	0.105A	0.146A	0.035	0.149	0.0428	---	---	30
31	---		16.2 B		0.192		0.332A	0.036		0.0458		---	31
TOTAL	---	---	57.675	116.987	45.246	4.853	2.893	2.000	1.679	2.305	---	---	TOTAL
MEAN	---	---	1.86	3.90	1.46	0.162	0.093	0.065	0.056	0.074	---	---	MEAN
MAX	---	---	17.7	15.1	13.4	0.213	0.332	0.210	0.149	0.233	---	---	MAX
MIN	---	---	0	0.744	0.192	0.105	0.046	0.035	0.031	0.042	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.954
MAXIMUM DAILY, 17.78 ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 96 42 50 W
DRAINAGE AREA, 249 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	250
FEB	---	AUG	173
MAR	4 880	SEP	145
APR	10 100	OCT	199
MAY	3 910	NOV	---
JUN	419	DEC	---

TOTAL DISCHARGE, 20 200 dam^3

DOG LAKE NEAR VOGAR - STATION NO. 05LN005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	247.637E	247.984	248.103	248.001	247.918	247.775	247.740	---	---	1
2	---	---	---	247.641A	247.978	248.113A	248.004	247.913	247.765	247.744	---	---	2
3	---	---	---	247.650	248.022A	248.090	247.994	247.917	247.748	247.733	---	---	3
4	---	---	---	247.645	248.019	248.091	247.881	247.917	247.720	247.708	---	---	4
5	---	---	---	247.641	248.051A	248.128A	247.872A	247.919	247.728	247.719	---	---	5
6	---	---	---	247.639A	248.027	248.095	247.931	247.908	247.735	247.719	---	---	6
7	---	---	---	247.645E	248.058	248.083	247.971	247.889	247.720	247.718	---	---	7
8	---	---	---	247.652E	248.084	248.088	247.976	247.895	247.740	247.708	---	---	8
9	---	---	---	247.662E	248.130A	248.095	247.976	247.882	247.738	247.729	---	---	9
10	---	---	---	247.670E	248.109A	248.092	247.983	247.877	247.735	247.685	---	---	10
11	---	---	---	247.682A	248.148A	248.103A	248.010A	247.884	247.732	247.710	---	---	11
12	---	---	---	247.695	248.130	248.038A	248.006E	247.880	247.730A	247.706	---	---	12
13	---	---	---	247.702	248.159	248.072A	247.981	247.881	247.721	247.706	---	---	13
14	---	---	---	247.709	248.168A	248.075	247.986	247.875	247.726	247.704	---	---	14
15	---	---	---	247.717	248.152	248.075	247.985	247.884	247.728	247.697	---	---	15
16	---	---	---	247.727	248.127	248.067	247.974	247.844	247.728	247.702	---	---	16
17	---	---	---	247.741	248.148	248.076A	247.982	247.852	247.729	247.726	---	---	17
18	---	---	---	247.760	248.161	248.067	247.958	247.846A	247.732	247.714	---	---	18
19	---	---	---	247.786	248.178A	248.067	247.956	247.831E	247.738	247.695	---	---	19
20	---	---	---	247.814	248.174A	248.049	247.961	247.812	247.738	247.695	---	---	20
21	---	---	---	247.825	248.165A	248.050	247.949	247.840	247.727	247.696	---	---	21
22	---	---	---	247.849	248.167A	248.035	247.956	247.823	247.717	247.695	---	---	22
23	---	---	---	247.862	248.159A	248.041	247.945A	247.821A	247.722	247.693	---	---	23
24	---	---	---	247.871	248.138	248.052A	247.917	247.830A	247.780	247.693	---	---	24
25	---	---	---	247.881	248.132	248.038A	247.937	247.813	248.014	247.701	---	---	25
26	---	---	---	247.889	248.138	248.034A	247.949	247.814	247.770	247.883	---	---	26
27	---	---	---	247.893	248.134	248.011	247.951	247.789	247.768	247.887	---	---	27
28	---	---	---	247.909	248.131	248.010	247.939	247.774	247.765	247.872A	---	---	28
29	---		---	247.923	248.126	248.014	247.931	247.785	247.734	247.880E	---	---	29
30	---		---	247.944	248.116	248.007	247.887	247.785	247.731	247.888E	---	---	30
31	---		---		248.118A		247.900	247.770		247.887E		---	31
MEAN	---	---	---	247.756	248.113	248.088	247.963	247.854	247.746	247.705	---	---	MEAN
MAX	---	---	---	247.944	248.178	248.128	248.010	247.919	248.014	247.744	---	---	MAX
MIN	---	---	---	247.637	247.984	248.007	247.887	247.770	247.717	247.672	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 248.178A ON MAY 19

MAXIMUM INSTANTANEOUS,
248.330 AT 13:2% CST ON SEP 25

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 98 36 31 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1960 ADJ.)

DOMAIN DRAIN NEAR DOMAIN - STATION NO. 05QG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.78 B	1.26	0	0.003	0.059	0	0E	---	---	1
2	---	---	0 B	3.83	0.509	0.008	0.001	0.024	0	0E	---	---	2
3	---	---	0 B	1.86	0.243	0.044	0.001	0.008	0	0E	---	---	3
4	---	---	0 B	2.02	0.100	0.002	0.001	0.002	0	0E	---	---	4
5	---	---	0 B	1.02	0.233	0.030	0.001	0.001	0	0E	---	---	5
6	---	---	0 B	0.882	0.189	0.081	0	0	0	0E	---	---	6
7	---	---	0 B	0.814	0.113	0.025	0	0	0	0A	---	---	7
8	---	---	0 B	0.478	0.038	0.010	0	0	0	0	---	---	8
9	---	---	0 B	0.398	0.019	0.002	0	0	0	0	---	---	9
10	---	---	0 B	0.350	0.005	0.001	0.008	0	0A	0	---	---	10
11	---	---	0 B	0.233	0.213	0	0.033	0	0E	0	---	---	11
12	---	---	0 B	0.179	1.08	0	0.020	0	0E	0	---	---	12
13	---	---	0 B	0.152	0.459	0	0.014	0	0E	0	---	---	13
14	---	---	0 B	0.104	0.186	0	0.011	0	0E	0	---	---	14
15	---	---	0 B	0.072	0.114	0	0.009	0	0E	0	---	---	15
16	---	---	0 B	0.171	0.055	0	0.015	0	0E	0	---	---	16
17	---	---	0 B	0.195	0.022	0	0.059	0	0E	0	---	---	17
18	---	---	0 B	0.188	0.010	0	0.067	0	0E	0	---	---	18
19	---	---	0 B	0.375	0.004	0	0.114	0	0E	0	---	---	19
20	---	---	0 B	0.326	0.001	0	0.078	0	0E	0	---	---	20
21	---	---	0 B	0.238	0	0	0.045	0	0E	0	---	---	21
22	---	---	0 B	0.207	0	0	0.028	0	0E	0	---	---	22
23	---	---	0 B	0.110	0	0	0.014	0	0E	0	---	---	23
24	---	---	0 B	0.034	0	0	0.005	0	0E	0	---	---	24
25	---	---	0 B	0.015	0	0	0.004	0	0E	0	---	---	25
26	---	---	0 B	0.085	0	0.003	0.018	0	0E	0	---	---	26
27	---	---	0 B	0.202	0	0.008	0.024	0	0E	0	---	---	27
28	---	---	1.21 B	0.328	0	0.027	0.248	0	0E	0	---	---	28
29	---		3.61 B	0.332	0	0.017	0.317	0	0E	0	---	---	29
30	---		3.55 B	0.578	0	0.008	0.251	0		0		---	30
31	---		3.61 B		0		0.141	0		0		---	31
TOTAL	---	---	11.88	19.340	4.873	0.246	1.528	0.094	0	0	---	---	TOTAL
MEAN	---	---	0.386	0.645	0.157	0.008	0.049	0.003	0	0	---	---	MEAN
MAX	---	---	3.61	3.83	1.26	0.061	0.317	0.059	0	0	---	---	MAX
MIN	---	---	0	0.019	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.155
MAXIMUM DAILY, 3.83 ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.42 AT 00:00 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 32 N
LONG 97 17 20 W
DRAINAGE AREA, 67.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	132
FEB	---	AUG	8.12
MAR	1 040	SEP	0
APR	1 670	OCT	0
MAY	421	NOV	---
JUN	21.3	DEC	---

TOTAL DISCHARGE, 3 290 dam³

DUCK RIVER AT COWAN - STATION NO. 05LG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1108	4.088	3.13	1.03	0.788	0.319	0.201	1.89	---	---	1
2	---	---	0.1048	3.218	3.01	0.874	0.658	0.321	0.217	1.53	---	---	2
3	---	---	0.0908	3.638	4.80	0.918	0.583	0.287	0.245	1.31	---	---	3
4	---	---	0.0828	4.538	10.9	0.849	0.494	0.395	0.244	1.18	---	---	4
5	---	---	0.0928	4.788	15.9	0.982	1.46	0.405	0.252	1.08	---	---	5
6	---	---	0.0838	5.498	10.2	1.47	5.05	0.447	0.230	1.02	---	---	6
7	---	---	0.0838	11.1 B	7.42	1.23	3.65	1.18	0.203	1.47	---	---	7
8	---	---	0.0908	10.6 B	5.10	1.01	2.67	0.747	0.189	1.62	---	---	8
9	---	---	0.1008	8.638	5.32	0.855	2.72	0.617	0.181	1.43	---	---	9
10	---	---	0.1068	8.998	5.95	0.947	1.96	0.699	0.173	1.64	---	---	10
11	---	---	0.1268	7.138	5.71	0.932	2.08	0.493	0.167	2.30	---	---	11
12	---	---	0.1328	5.388	5.19	0.890	2.37	0.353	0.294	1.92	---	---	12
13	---	---	0.1348	4.438	5.35	0.840	2.03	0.259	0.383	1.63	---	---	13
14	---	---	0.1358	3.018	5.05	0.770	1.58	0.192	0.263	1.36	---	---	14
15	---	---	0.1478	2.588	5.73	0.712	1.20	0.159	0.234	1.24	---	---	15
16	---	---	0.1668	2.478	5.83	0.684	1.20	0.168	0.230	1.14	---	---	16
17	---	---	0.1758	2.84	6.12	0.617	1.08	0.185	0.238	1.07	---	---	17
18	---	---	0.1678	3.49	4.95	0.590	0.936	0.171	0.243	1.00	---	---	18
19	---	---	0.1458	3.96	4.23	0.551	0.772	0.175	0.227	0.937	---	---	19
20	---	---	0.1418	4.02	3.99	0.539	0.716	0.184	0.200	0.882	---	---	20
21	---	---	0.1748	3.25	3.62	0.512	0.861	0.153	0.189	0.819	---	---	21
22	---	---	1.30 B	3.58	3.21	0.477	0.604	0.151	0.208	0.785	---	---	22
23	---	---	1.03 B	4.13	2.73	0.466	0.545	0.156	0.279	0.759	---	---	23
24	---	---	0.5818	4.71	2.46	0.489	0.526	0.182	0.307	0.728	---	---	24
25	---	---	0.5168	4.30	2.29	5.03	0.487	0.191	0.868	0.715	---	---	25
26	---	---	0.4988	3.91	2.06	4.70	0.461	0.205	8.18	0.687	---	---	26
27	---	---	0.5708	3.52	1.82	2.95	0.437	0.193	12.6	0.687	---	---	27
28	---	---	1.74 B	3.17	1.58	1.81	0.405	0.198	6.24	0.864	---	---	28
29	---		1.53 B	2.82	1.37	1.27	0.394	0.186	3.78	0.833	---	---	29
30	---		2.07 B	3.58	1.19	0.918	0.364	0.199	2.67	0.5818	---	---	30
31	---		3.77 B		1.09		0.333	0.211		0.5618		---	31
TOTAL	---	---	16.197	142.43	148.10	35.982	39.155	9.748	40.737	35.548	---	---	TOTAL
MEAN	---	---	0.522	4.75	4.78	1.20	1.26	0.314	1.36	1.15	---	---	MEAN
MAX	---	---	3.77	11.1	15.9	5.03	5.05	1.18	12.6	2.30	---	---	MAX
MIN	---	---	0.083	2.47	1.09	0.466	0.333	0.153	0.167	0.561	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.91
MAXIMUM DAILY, 15.9 ON MAY 5
MINIMUM DAILY, 0.0838 ON MAR 6
MAXIMUM INSTANTANEOUS,
17.6 AT 05:42 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 50 N
LONG 100 38 00 W
DRAINAGE AREA, 223 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 380
FEB	---	AUG	842
MAR	1 400	SEP	3 520
APR	12 300	OCT	3 070
MAY	12 800	NOV	---
JUN	3 110	DEC	---

TOTAL DISCHARGE, 40 400 dam³

EAGER LAKE NEAR TOD LAKE - STATION NO. 06EB007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	33.345	---	---	33.068	32.963	1
2	---	---	---	---	---	---	---	---	---	---	33.040	32.959	2
3	---	---	---	---	---	---	---	---	---	---	33.029	32.953	3
4	---	---	---	---	---	---	---	---	---	---	33.030	32.946	4
5	---	---	---	---	---	---	---	---	---	---	33.035	32.942	5
6	---	---	---	---	---	---	---	---	---	---	33.026	32.938	6
7	---	---	---	---	---	---	---	---	---	---	33.022	32.927	7
8	---	---	---	---	---	---	33.306A	---	---	---	33.019	32.937	8
9	---	---	---	---	---	---	33.298	---	---	---	33.018	32.933	9
10	---	---	---	---	---	---	33.289	---	---	---	33.015	32.931	10
11	---	---	---	---	---	---	33.275	---	---	---	33.013	32.928	11
12	---	---	---	---	---	---	33.264	---	---	---	33.014	32.917	12
13	---	---	---	---	---	---	33.260	---	---	---	33.005	32.918	13
14	---	---	---	---	---	---	33.278	---	---	---	33.007	32.915	14
15	---	---	---	---	---	---	33.282	---	---	33.093A	33.000	32.909	15
16	---	---	---	---	---	---	33.275	---	---	33.096	33.004	32.906	16
17	---	---	---	---	---	---	33.273	---	---	33.096	33.002	32.903	17
18	---	---	---	---	---	---	33.286	---	---	33.098	32.997	32.902	18
19	---	---	---	---	---	---	33.292	---	---	33.100	32.988	32.895	19
20	---	---	---	---	---	---	33.286	---	---	33.080	32.986	32.888	20
21	---	---	---	---	---	---	33.286	---	---	33.084	32.988	32.887	21
22	---	---	---	---	---	---	33.270	---	---	33.077	32.986	32.888	22
23	---	---	---	---	---	---	33.286	---	---	33.074	32.982	32.877	23
24	---	---	---	---	---	33.354A	33.306	---	---	33.077	32.990	32.878	24
25	---	---	---	---	---	---	33.309	---	---	33.061	32.992	32.863	25
26	---	---	---	---	---	---	33.330	---	---	33.069	32.979	32.868	26
27	---	---	---	---	---	---	33.328	---	---	33.060	32.980	32.867	27
28	---	---	---	---	---	---	33.321	---	---	33.078	32.978	32.861	28
29	---		---	---	---	---	33.334	---	---	33.071	32.989	32.864	29
30	---		---	---	---	---	33.329	---	---	33.059	32.986	32.853	30
31	---		---		---		33.338	---		33.075		32.849	31
MEAN	---	---	---	---	---	---	---	---	---	---	33.004	32.905	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	33.068	32.963	MAX
MIN	---	---	---	---	---	---	---	---	---	---	32.986	32.849	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 32 20 N
LONG 101 33 20 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

EAST FISHER RIVER NEAR HODGSON - STATION NO. 05SD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.015B	33.8 B	10.1	0.695	0.538	---	---	---	---	---	1
2	---	---	0.114B	32.3	10.2	0.589	0.507	---	---	---	---	---	2
3	---	---	0.114B	26.1	7.07	0.679	0.475	---	---	---	---	---	3
4	---	---	0.113B	20.5	5.09	0.638	0.449	---	---	---	---	---	4
5	---	---	0.112B	15.9	4.27	0.616	0.502	---	---	---	---	---	5
6	---	---	0.112B	12.3	13.4	0.660	0.533	---	---	---	---	---	6
7	---	---	0.111B	9.57	15.3	0.932	0.484	---	---	---	---	---	7
8	---	---	0.110B	7.72	10.2	0.846	0.443A	---	---	---	---	---	8
9	---	---	0.110B	6.38	6.18	0.587	---	---	---	---	---	---	9
10	---	---	0.109B	5.55	4.51	0.611	---	---	---	---	---	---	10
11	---	---	0.108B	4.56	3.78	0.588	---	---	---	---	---	---	11
12	---	---	0.106B	3.45	3.17	0.571	---	---	---	---	---	---	12
13	---	---	0.107B	2.38	2.72	0.525	---	---	---	---	---	---	13
14	---	---	0.111B	1.73	2.36	0.523	---	---	---	---	---	---	14
15	---	---	0.120B	1.53	2.14	0.525	---	---	---	---	---	---	15
16	---	---	0.122B	1.45	2.00	0.483	---	---	---	---	---	---	16
17	---	---	0.118B	1.54	1.82	0.477	---	---	---	---	---	---	17
18	---	---	0.115B	1.80	1.70	0.473	---	---	---	---	---	---	18
19	---	---	0.112B	5.54	1.82	0.488	---	---	---	---	---	---	19
20	---	---	0.109B	7.92	1.55	0.481	---	---	---	---	---	---	20
21	---	---	0.106B	5.57	1.42	0.581	---	---	---	---	---	---	21
22	---	---	0.103B	3.83	1.33	0.581	---	---	---	---	---	---	22
23	---	---	0.102B	3.29	1.25	0.501	---	---	---	---	---	---	23
24	---	---	0.101B	3.16	1.15	0.534	---	---	---	---	---	---	24
25	---	---	0.100B	2.79	1.06	0.694	---	---	---	---	---	---	25
26	---	---	0.202B	2.41	0.987	0.736	---	---	---	---	---	---	26
27	---	---	0.417B	2.55	0.910	0.661	---	---	---	---	---	---	27
28	---	---	0.858B	3.91	1.10	0.587	---	---	---	---	---	---	28
29	---		4.06 B	5.81	0.875	0.585	---	---	---	---	---	---	29
30	---		15.7 B	5.07	0.779	0.539	---	---	---	---	---	---	30
31	---		28.0 B		0.728		---	---		---		---	31
TOTAL	---	---	52.707	240.41	120.769	17.856	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.70	8.01	3.90	0.596	---	---	---	---	---	---	MEAN
MAX	---	---	28.0	33.8	15.3	0.932	---	---	---	---	---	---	MAX
MIN	---	---	0.015	1.45	0.728	0.473	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.54
MAXIMUM DAILY, 33.8B ON APR 1
MINIMUM DAILY, 0.015B ON MAR 1
MAXIMUM INSTANTANEOUS,
34.3 AT 20:40 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 97 32 00 W
DRAINAGE AREA, 357 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	4 550	SEP	---
APR	20 800	OCT	---
MAY	10 400	NOV	---
JUN	1 540	DEC	---

TOTAL DISCHARGE, 37 300 dam³

EDWARDS CREEK DRAIN BELOW JACKFISH CREEK - STATION NO. 05LJ047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.948	4.38	0.484	0.138	0.078	0.011	0.078	---	---	1
2	---	---	0 B	5.508	3.96	0.413	0.103	0.078	0.012	0.093	---	---	2
3	---	---	0 B	3.93	7.89	0.707	0.105	0.102	0.011	0.264	---	---	3
4	---	---	0 B	3.24	13.6	0.437	0.077	0.323	0.008	0.289	---	---	4
5	---	---	0 B	3.77	24.5	0.453	0.202	0.226	0.011	0.238	---	---	5
6	---	---	0 B	4.20	78.5	0.429	0.258	0.268	0.013	0.303	---	---	6
7	---	---	0 B	5.18	37.5	0.291	0.186	0.545	0.011	0.186	---	---	7
8	---	---	0 B	5.61	18.5	0.207	0.125	0.304	0.009	0.150	---	---	8
9	---	---	0 B	5.11	15.6	0.352	0.093	0.139	0.014	0.200	---	---	9
10	---	---	0 B	5.43	13.9	0.653	0.100	0.104	0.013	0.208	---	---	10
11	---	---	0 B	5.018	8.82	0.524	0.220	0.085	0.013	0.214	---	---	11
12	---	---	0 B	4.508	7.06	0.284	0.297	0.078	0.017	0.208	---	---	12
13	---	---	0 B	3.788	5.76	0.353	0.248	0.059	0.015	0.193	---	---	13
14	---	---	0 B	2.788	4.83	0.300	0.196	0.069	0.016	0.181	---	---	14
15	---	---	0 B	2.488	4.75	0.270	0.149	0.095	0.025	0.163	---	---	15
16	---	---	0 B	2.358	4.15	0.274	0.160	0.042	0.026	0.155	---	---	16
17	---	---	0 B	2.98	3.64	0.275	0.127	0.032	0.036	0.163	---	---	17
18	---	---	0 B	10.2	3.26	0.216	0.085	0.032	0.033	0.150	---	---	18
19	---	---	0 B	11.8	2.95	0.234	0.064	0.026	0.034	0.148	---	---	19
20	---	---	0 B	6.37	2.62	0.235	0.072	0.023	0.031	0.147	---	---	20
21	---	---	0.1008 B	3.88	2.38	0.224	0.088	0.020	0.034	0.146	---	---	21
22	---	---	8.53 B	3.41	1.98	0.218	0.069	0.027	0.048	0.118	---	---	22
23	---	---	2.98 B	2.52	1.72	0.219	0.056	0.020	0.041	0.134	---	---	23
24	---	---	1.70 B	2.44	1.52	0.221	0.043	0.018	0.034	0.139	---	---	24
25	---	---	1.06 B	2.87	1.35	0.178	0.048	0.019	0.186	0.126	---	---	25
26	---	---	0.8859	3.51	1.24	0.184	0.078	0.017	0.895	0.088	---	---	26
27	---	---	3.17 B	2.41	1.08	0.234	0.160	0.017	0.436	0.104	---	---	27
28	---	---	23.6 B	2.88	0.932	0.181	0.083	0.017	0.248	0.101	---	---	28
29	---		14.6 B	3.29	0.797	0.168	0.085	0.018	0.187	0.082	---	---	29
30	---		13.1 B	4.55	0.710	0.154	0.070	0.014	0.112	0.0788	---	---	30
31	---		8.85 B		0.556		0.088	0.011		0.0748		---	31
TOTAL	---	---	77.375	134.82	282.295	8.691	3.857	2.923	2.183	4.861	---	---	TOTAL
MEAN	---	---	2.50	4.49	9.11	0.329	0.124	0.094	0.072	0.157	---	---	MEAN
MAX	---	---	23.6	11.8	78.5	0.707	0.297	0.545	0.895	0.289	---	---	MAX
MIN	---	---	0	2.26	0.556	0.154	0.043	0.011	0.008	0.074	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.12
MAXIMUM DAILY, 78.5 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
111 AT 02:11 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 30 N
LONG 99 55 20 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	333
FEB	---	AUG	283
MAR	8 890	SEP	187
APR	11 600	OCT	630
MAY	24 400	NOV	---
JUN	854	DEC	---

TOTAL DISCHARGE, 44 700 dam³

ELGIN CREEK NEAR SOURIS - STATION NO. 05MG012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.17	0.183	0.023	0	0.065	0	0	---	---	1
2	---	---	0 B	0.857	0.119	0.024	0	0.041	0	0	---	---	2
3	---	---	0 B	0.763	0.133	0.015	0	0.025	0	0	---	---	3
4	---	---	0 B	0.877	0.112	0.017	0	0.022	0	0	---	---	4
5	---	---	0 B	0.557	0.425	0.014	0	0.018	0	0	---	---	5
6	---	---	0 B	0.456	10.5	0.015	0	0.010	0	0	---	---	6
7	---	---	0 B	0.366	5.78	0.010	0	0.004	0	0	---	---	7
8	---	---	0 B	0.276	3.28	0.014	0	0.002	0	0	---	---	8
9	---	---	0 B	0.188	2.15	0.015	0	0	0	0	---	---	9
10	---	---	0 B	0.151	1.82	0.015	0	0	0	0	---	---	10
11	---	---	0 B	0.142	1.57	0.010	0	0	0	0	---	---	11
12	---	---	0 B	0.130	1.26	0.004	0	0	0	0	---	---	12
13	---	---	0 B	0.102	0.973	0.002	0	0	0	0	---	---	13
14	---	---	0 B	0.102	0.772	0.002	0	0	0	0	---	---	14
15	---	---	0.0078	0.181	0.638	0.005	0	0	0	0	---	---	15
16	---	---	0.0058	0.068	0.543	0.008	0	0	0	0	---	---	16
17	---	---	0.0028	0.068	0.488	0.005	0.002	0	0	0	---	---	17
18	---	---	0.2138	0.333	0.356	0.003	0.001	0	0	0	---	---	18
19	---	---	0.7198	0.610	0.275	0.003	0	0	0	0	---	---	19
20	---	---	1.01 B	1.37	0.212	0.006	0	0	0	0	---	---	20
21	---	---	0.5418	1.36	0.172	0.004	0	0	0	0	---	---	21
22	---	---	1.80 B	0.957	0.135	0.003	0	0	0	0	---	---	22
23	---	---	3.02 B	0.706	0.103	0.002	0	0	0	0	---	---	23
24	---	---	3.60 B	0.527	0.080	0.002	0	0	0	0	---	---	24
25	---	---	3.42 B	0.428	0.069	0	0	0	0	0	---	---	25
26	---	---	2.44 B	0.344	0.049	0.003	0	0	0	0	---	---	26
27	---	---	2.29 B	0.287	0.035	0.002	0	0	0	0	---	---	27
28	---	---	2.05 B	0.271	0.094	0	0.001	0	0	0	---	---	28
29	---		2.00 B	0.238	0.022	0	0	0	0	0	---	---	29
30	---		1.76 B	0.209	0.027	0	0	0	0	0	---	---	30
31	---		1.51		0.025		0.032	0		0		---	31
TOTAL	---	---	36.587	14.097	33.280	0.239	0.036	0.185	0	0	---	---	TOTAL
MEAN	---	---	0.858	0.470	1.07	0.008	0.001	0.006	0	0	---	---	MEAN
MAX	---	---	3.60	1.37	10.5	0.024	0.032	0.065	0	0	---	---	MAX
MIN	---	---	0	0.068	0.022	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.304
MAXIMUM DAILY, 10.5 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.6 AT 1.:23 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 28 N
LONG 100 14 05 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.11
FEB	---	AUG	16.0
MAR	2 300	SEP	0
APR	1 220	OCT	0
MAY	2 880	NOV	---
JUN	20.6	DEC	---

TOTAL DISCHARGE, 6 440 dam³

ELGIN RESERVOIR NEAR ELGIN - STATION NO. 05NE003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	488.881E	488.787E	488.784E	488.625	488.583	---	---	1
2	---	---	---	---	---	488.885E	488.802	488.780E	488.622E	488.587E	---	488.536	2
3	---	---	488.884	---	---	488.879E	488.785E	488.779E	488.618E	488.581E	---	---	3
4	---	---	---	---	---	488.872	488.787E	488.772	488.614E	488.585E	---	---	4
5	---	---	---	---	---	488.870E	488.780E	488.772	488.610E	488.589E	---	---	5
6	---	---	---	---	---	488.887E	488.772	488.788E	488.607E	488.573	---	---	6
7	---	---	---	---	---	488.884E	488.772E	488.785E	488.603E	488.587E	---	---	7
8	---	---	---	---	---	488.881E	488.772E	488.783E	488.599E	488.581E	---	---	8
9	---	---	---	---	---	488.859E	488.772E	488.748E	488.595	488.555E	---	---	9
10	---	---	---	---	---	488.856E	488.772E	488.738E	488.591E	488.549E	---	---	10
11	---	---	---	---	---	488.853E	488.772E	488.733E	488.587E	488.542E	---	---	11
12	---	---	---	---	---	488.850E	488.772E	488.728E	488.583E	488.536E	---	---	12
13	---	---	---	---	---	488.847	488.772E	488.719E	488.579E	488.530E	---	---	13
14	---	---	---	---	---	488.843E	488.772E	488.713E	488.575	488.523	---	---	14
15	---	---	---	---	488.872	488.838E	488.772	488.709E	488.570E	488.523E	---	---	15
16	---	---	---	---	488.870E	488.830E	488.772E	488.699E	488.565E	488.523E	---	---	16
17	---	---	---	---	488.867E	488.824E	488.772E	488.693E	488.560E	488.523E	---	---	17
18	---	---	---	---	488.864E	488.818E	488.772E	488.688E	488.555	488.523E	---	---	18
19	---	---	---	---	488.861E	488.812	488.772E	488.679E	488.555E	488.523E	---	---	19
20	---	---	---	---	488.858E	488.809E	488.772E	488.672	488.555E	488.523E	---	---	20
21	---	---	---	---	488.858E	488.808E	488.772E	488.680E	488.555E	488.523	---	---	21
22	---	---	---	---	488.853E	488.803E	488.772E	488.665E	488.555E	488.523E	---	---	22
23	---	---	---	---	488.850E	488.800E	488.772E	488.662E	488.555E	488.523	---	---	23
24	---	---	---	---	488.847	488.797	488.772E	488.658E	488.555E	488.523E	---	---	24
25	---	---	487.068	---	488.843E	488.793E	488.772E	488.655E	488.555E	488.523E	---	---	25
26	---	---	---	---	488.837E	488.788E	488.772	488.651	488.555	488.523E	---	---	26
27	---	---	---	---	488.832	488.785E	488.777E	488.647E	488.555E	488.523E	---	---	27
28	---	---	---	---	488.824E	488.781E	488.782E	488.643E	488.555E	488.523E	---	---	28
29	---		---	---	488.815E	488.777E	488.787E	488.639E	488.554E	488.523E	---	---	29
30	---		---	---	488.808E	488.772	488.792	488.634E	488.554E	488.523E	---	---	30
31	---		---		488.897		488.788E	488.630E		488.523	---	---	31
MEAN	---	---	---	---	---	488.831	488.777	488.704	488.577	488.536	---	---	MEAN
MAX	---	---	---	---	---	488.891	488.802	488.784	488.625	488.573	---	---	MAX
MIN	---	---	---	---	---	488.772	488.772	488.630	488.554	488.523	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 35 30 N
LONG 100 14 13 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1966

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK - STATION NO. 05OD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	10.1	21.3	0.105	0.025	---	---	---	---	---	1
2	---	---	0 B	11.1	14.1	0.078	0.0104	---	---	---	---	---	2
3	---	---	0 B	8.90	10.0	0.047	---	---	---	---	---	---	3
4	---	---	0 B	7.58	7.49	0.030	---	---	---	---	---	---	4
5	---	---	0 B	8.89	15.4	0.011	---	---	---	---	---	---	5
6	---	---	0 B	8.05	30.9	0.008	---	---	---	---	---	---	6
7	---	---	0 B	4.69	28.8	0.027	---	---	---	---	---	---	7
8	---	---	0 B	3.86	16.9	0.014	---	---	---	---	---	---	8
9	---	---	0 B	3.90	12.9	0.006	---	---	---	---	---	---	9
10	---	---	0 B	2.41	11.3	0.004	---	---	---	---	---	---	10
11	---	---	0 B	2.04	9.27	0.002	---	---	---	---	---	---	11
12	---	---	0 B	1.859	8.13	0	---	---	---	---	---	---	12
13	---	---	0 B	1.679	7.21	0	---	---	---	---	---	---	13
14	---	---	0 B	1.529	6.39	0	---	---	---	---	---	---	14
15	---	---	0 B	1.419	4.04	0	---	---	---	---	---	---	15
16	---	---	0 B	1.248	2.94	0	---	---	---	---	---	---	16
17	---	---	0 B	1.65	2.29	0	---	---	---	---	---	---	17
18	---	---	0 B	2.53	1.88	0	---	---	---	---	---	---	18
19	---	---	0 B	10.2	1.55	0	---	---	---	---	---	---	19
20	---	---	0 B	14.4	1.33	0.016	---	---	---	---	---	---	20
21	---	---	0 B	10.3	0.993	0.027	---	---	---	---	---	---	21
22	---	---	0 B	7.89	0.817	0.015	---	---	---	---	---	---	22
23	---	---	0 B	6.91	0.693	0.006	---	---	---	---	---	---	23
24	---	---	0.0058 B	5.08	0.620	0	---	---	---	---	---	---	24
25	---	---	0.0308 B	4.42	0.754	0	---	---	---	---	---	---	25
26	---	---	0.0678 B	4.14	0.585	0	---	---	---	---	---	---	26
27	---	---	1.85 B	4.26	0.487	0	---	---	---	---	---	---	27
28	---	---	12.0 B	5.48	0.832	0.005	---	---	---	---	---	---	28
29	---		35.1 B	5.87	0.374	0.185	---	---	---	---	---	---	29
30	---		22.0 B	11.8	0.256	0.075	---	---	---	---	---	---	30
31	---		18.3		0.187		---	---	---	---	---	---	31
TOTAL	---	---	89.454	170.85	220.200	0.639	---	---	---	---	---	---	TOTAL
MEAN	---	---	2.89	5.69	7.40	0.021	---	---	---	---	---	---	MEAN
MAX	---	---	35.1	16.2	30.9	0.185	---	---	---	---	---	---	MAX
MIN	---	---	0	1.24	0.187	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.09
MAXIMUM DAILY, 30.9 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
41.9 AT 11:45 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 42 N
LONG 97 54 57 W
DRAINAGE AREA, 874 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	7 720	SEP	---
APR	15 000	OCT	---
MAY	19 000	NOV	---
JUN	54.3	DEC	---

TOTAL DISCHARGE, 43 100 dam³

ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK - STATION NO. 0000006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1966

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	10.7	11.5	0.013	0	---	---	---	---	---
2	---	---	0 B	8.32	8.83	0.010	0.0014	---	---	---	---	---
3	---	---	0 B	6.65	6.58	0.004	---	---	---	---	---	---
4	---	---	0 B	5.75	5.04	0.003	---	---	---	---	---	---
5	---	---	0 B	4.84	7.92	0.005	---	---	---	---	---	---
6	---	---	0 B	4.47	10.3	0.005	---	---	---	---	---	---
7	---	---	0 B	3.42	10.3	0.007	---	---	---	---	---	---
8	---	---	0 B	2.37	12.3	0.007	---	---	---	---	---	---
9	---	---	0 B	1.88	10.1	0.006	---	---	---	---	---	---
10	---	---	0 B	1.38	8.72	0.003	---	---	---	---	---	---
11	---	---	0 B	1.03	7.08	0.003	---	---	---	---	---	---
12	---	---	0 B	1.02 B	7.17	0.001	---	---	---	---	---	---
13	---	---	0 B	0.9648	8.47	0.001	---	---	---	---	---	---
14	---	---	0 B	0.7858	4.01	0.001	---	---	---	---	---	---
15	---	---	0 B	0.5809	2.84	0.001	---	---	---	---	---	---
16	---	---	0 B	0.4878	1.80	0.001	---	---	---	---	---	---
17	---	---	0 B	0.530	1.38	0.001	---	---	---	---	---	---
18	---	---	0 B	1.38	1.03	0.010	---	---	---	---	---	---
19	---	---	0 B	3.00	0.765	0.013	---	---	---	---	---	---
20	---	---	0 B	3.05	0.557	0.008	---	---	---	---	---	---
21	---	---	0 B	7.22	0.399	0.005	---	---	---	---	---	---
22	---	---	0 B	5.64	0.276	0.002	---	---	---	---	---	---
23	---	---	0.0035	4.02	0.197	0	---	---	---	---	---	---
24	---	---	0.0169	3.63	0.150	0	---	---	---	---	---	---
25	---	---	0.1998	3.43	0.067	0	---	---	---	---	---	---
26	---	---	2.18 B	3.38	0.028	0	---	---	---	---	---	---
27	---	---	3.37 B	3.33	0.025	0	---	---	---	---	---	---
28	---	---	10.5 B	3.12	0.025	0	---	---	---	---	---	---
29	---		15.0 B	3.26	0.024	0	---	---	---	---	---	---
30	---		15.7	8.36	0.021	0	---	---	---	---	---	---
31	---		13.3		0.018		---	---	---	---	---	---
TOTAL	---	---	85.228	116.706	136.110	0.109	---	---	---	---	---	---
MEAN	---	---	2.10	3.89	4.46	0.004	---	---	---	---	---	---
MAX	---	---	15.7	10.7	10.3	0.013	---	---	---	---	---	---
MIN	---	---	0	0.457	0.018	0	---	---	---	---	---	---

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.63
MAXIMUM DAILY, 10.3 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.3 AT 11:04 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 54 N
LONG 98 00 20 W
DRAINAGE AREA, 494 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	5 060	SEP	---
APR	10 100	OCT	---
MAY	11 900	NOV	---
JUN	9.42	DEC	---

TOTAL DISCHARGE, 27 000 dam³

SPINETTE CREEK NEAR CARBERRY - STATION NO. 05MH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1966

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.0588	1.010	3.00	0.688	0.227	0.105	0.009	0.053	---	---
2	---	---	0.0588	1.53	2.88	0.555	0.243	0.093	0.009	0.053	---	---
3	---	---	0.0588	3.05	2.76	0.539	0.234	0.070	0.008	0.051	---	---
4	---	---	0.0568	3.43	3.75	0.438	0.237	0.072	0.007	0.048	---	---
5	---	---	0.0568	3.48	5.83	0.332	0.246	0.053	0.010	0.048	---	---
6	---	---	0.0588	2.42	8.22	0.315	0.208	0.043	0.009	0.049	---	---
7	---	---	0.0588	2.35	7.85	0.355	0.181	0.038	0.009	0.052	---	---
8	---	---	0.0588	2.22	7.08	0.254	0.163	0.030	0.011	0.048	---	---
9	---	---	0.0588	2.07	6.91	0.240	0.180	0.028	0.011	0.047	---	---
10	---	---	0.0588	1.95	5.85	0.301	0.223	0.027	0.011	0.047	---	---
11	---	---	0.0588	1.85	5.21	0.297	0.223	0.028	0.012	0.048	---	---
12	---	---	0.0588	1.76	5.77	0.278	0.198	0.026	0.013	0.057	---	---
13	---	---	0.0588	1.84	5.43	0.255	0.184	0.031	0.013	0.039	---	---
14	---	---	0.0588	1.46	5.11	0.263	0.226	0.030	0.013	0.046	---	---
15	---	---	0.0578	1.33	4.86	0.240	0.291	0.017	0.013	0.065	---	---
16	---	---	0.0583	1.47	4.48	0.318	0.291	0.017	0.015	0.054	---	---
17	---	---	0.0589	1.82	6.16	0.330	0.372	0.016	0.015	0.064	---	---
18	---	---	0.0538	2.29	3.88	0.198	0.358	0.017	0.020	0.057	---	---
19	---	---	0.0578	2.80	3.66	0.207	0.343	0.016	0.067	0.064	---	---
20	---	---	0.0658	2.91	3.35	0.220	0.378	0.013	0.027	0.067	---	---
21	---	---	0.0838	2.84	3.08	0.295	0.457	0.011	0.026	0.060	---	---
22	---	---	0.1028	2.86	2.78	0.232	0.427	0.011	0.028	0.053	---	---
23	---	---	0.1188	2.75	2.51	0.178	0.410	0.013	0.030	0.048	---	---
24	---	---	0.1068	2.72	2.24	0.136	0.348	0.014	0.032	0.053	---	---
25	---	---	0.1108	2.58	2.00	0.123	0.283	0.016	0.048	0.059	---	---
26	---	---	0.1008	2.52	1.78	0.238	0.231	0.015	0.045	0.033	---	---
27	---	---	0.1188	2.42	1.63	0.167	0.192	0.015	0.046	0.038	---	---
28	---	---	0.1728	2.67	1.38	0.116	0.158	0.013	0.050	0.041	---	---
29	---		0.2068	2.35	1.16	0.110	0.158	0.011	0.053	0.037	---	---
30	---		0.2688	3.08	0.982	0.153	0.137	0.012	0.053	0.044	---	---
31	---		0.3608		0.871		0.104	0.011		0.051	---	---
TOTAL	---	---	3.979	65.61	121.783	8.380	7.830	0.880	0.718	1.533	---	---
MEAN	---	---	0.005	2.19	3.93	0.280	0.253	0.029	0.024	0.049	---	---
MAX	---	---	0.360	3.04	8.22	0.880	0.457	0.105	0.067	0.060	---	---
MIN	---	---	0.055	1.01	0.871	0.110	0.104	0.011	0.007	0.033	---	---

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.857
MAXIMUM DAILY, 8.22 ON MAY 8
MINIMUM DAILY, 0.007 ON SEP 4
MAXIMUM INSTANTANEOUS,
8.36 AT 10:09 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 26 N
LONG 98 19 50 W
DRAINAGE AREA, 388 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	677
FEB	---	AUG	76.0
MAR	257	SEP	61.9
APR	5 880	OCT	132
MAY	10 600	NOV	---
JUN	725	DEC	---

TOTAL DISCHARGE, 18 100 dam³

FAIRFORD RIVER NEAR FAIRFORD - STATION NO. 05LM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	83.08	76.0	72.2	78.3	101	286	262	208	50.5	40.5	55.5	63.78	1
2	82.68	75.7	72.2	76.0	112	283	236	200	43.6	33.4	41.9	63.88	2
3	82.38	75.8	71.8	76.2	137	276	258	203	42.5	37.5	47.8	63.58	3
4	82.08	75.2	70.7	78.3	180	277	259	201	48.1	42.4	60.7	63.78	4
5	81.78	75.0	71.4	78.3	138	276	258	201	58.2	35.4	62.1	64.08	5
6	81.58	74.8	71.8	81.5	188	281	257	202	56.4	40.4	58.7	64.08	6
7	81.58	74.3	72.5	83.3	262A	281	253	206	51.1	33.6	52.3	64.18	7
8	81.38	74.3	71.7	82.5	270	278	237	206	58.1	32.1	19.8	64.68	8
9	81.08	74.5	73.5	83.8	275	286	237	170	55.6	42.7	34.7	65.68	9
10	80.98	74.8	73.6	85.4	299	272	234	178	51.8	41.2	59.68	65.58	10
11	80.88	74.8	72.5	86.2	293	282	240	182	53.7	33.1	61.68	64.28	11
12	80.38	75.3	72.3	84.5	300A	284A	245	186	40.7	37.3	61.08	63.78	12
13	79.75	74.8	72.6	82.8	288	286A	254	141	49.3	38.9	63.48	64.18	13
14	79.08	74.8	72.9	80.8	301	281	267	112	52.9	32.1	64.08	63.98	14
15	78.58	74.9	72.4	81.9	310	281	267	74.4	56.1	40.4	64.88	63.78	15
16	78.18	73.7	72.5	84.3	300	284	257	71.5	52.2	37.6	64.28	63.58	16
17	77.68	74.2	72.8	86.5	283	284	260	68.7	52.3	57.9	63.78	63.58	17
18	77.18	74.4	71.6	92.2	288	271	266	74.8	51.4	76.4	63.38	63.48	18
19	76.78	74.5	71.7	87.5	302	271	244	76.3	46.1	72.9	63.38	63.38	19
20	76.38	76.3	72.8	92.0	308	271	226	68.4	37.6	71.6	63.48	63.48	20
21	76.08	75.7	72.5	93.6	308	273	238	74.9	28.3	71.2	63.38	63.48	21
22	76.18	76.2	75.0	96.8	304	270	237	70.6	43.9	61.7	63.18	63.38	22
23	76.48	74.8	71.7	97.0	303	236	244	70.3	41.4	66.6	63.18	63.18	23
24	75.78	73.5	70.1	98.8	299	270	240	76.5	33.4	70.1	63.48	63.18	24
25	76.08	73.4	71.5	98.4	295	267	233	82.8	24.5	74.2	63.38	63.08	25
26	76.38	72.0	73.8	93.5	281	267	235	81.2	33.5	73.0	63.48	62.98	26
27	76.08	71.7	76.0	92.5	281	268	211	82.5	41.7	73.4	63.58	62.88	27
28	75.8	72.8	76.0	96.0	282	268	225	89.0	45.2	80.4	63.58	62.88	28
29	76.1		76.8	100	292	263	232	88.4	46.3	58.6	63.48	62.68	29
30	75.7		77.0	97.5	278	263	266	71.2	44.9	72.4	63.68	62.68	30
31	75.2		77.8		282		237	60.7		55.0		62.58	31
TOTAL	2 435.9	2 094.1	2 265.6	2 633.6	8 107	8 064	7 633	3 767.3	1 402.3	1 614.6	1 778.4	1 971.3	TOTAL
MEAN	78.6	74.9	73.1	87.6	262	269	246	122	46.7	52.1	59.3	63.6	MEAN
MAX	83.0	76.0	78.0	100	310	288	267	208	59.2	76.4	69.7	65.8	MAX
MIN	75.2	71.7	70.1	76.0	101	236	211	60.7	24.5	32.1	19.8	62.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 130
MAXIMUM DAILY, 310 ON MAY 15
MINIMUM DAILY, 19.8 ON NOV 8
MAXIMUM INSTANTANEOUS,
321 AT 11:50 CST ON JUN 3

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 00 N
LONG 98 42 15 W
DRAINAGE AREA, 80 100 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	210 000	JUL	659 000
FEB	180 000	AUG	325 000
MAR	196 000	SEP	121 000
APR	228 000	OCT	139 000
MAY	700 000	NOV	154 000
JUN	697 000	DEC	170 000

TOTAL DISCHARGE, 3 780 000 dam^3

FALCON LAKE AT FALCON LAKE - STATION NO. 05PD801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	327.524	327.448E	327.391E	327.378E	327.288E	327.308E	---	---	1
2	---	---	---	---	327.536	327.438	327.366	327.378E	327.288	327.308	---	---	2
3	---	---	---	---	327.543E	327.438	327.361E	327.378E	327.288E	327.305E	---	---	3
4	---	---	---	---	327.550E	327.428E	327.366	327.378E	327.288	327.302E	---	---	4
5	---	---	---	---	327.554	327.418E	327.356E	327.376	327.288E	327.298	---	---	5
6	---	---	---	---	327.558	327.408	327.356E	327.376	327.288	327.304E	---	---	6
7	---	---	---	---	327.576	327.407E	327.366	327.373E	327.283E	327.310	---	---	7
8	---	---	---	---	327.586	327.405E	327.356E	327.368	327.278	327.290	---	---	8
9	---	---	---	---	327.596	327.403	327.356	327.365E	327.273E	327.285E	---	---	9
10	---	---	---	---	327.601E	327.390E	327.352E	327.362E	327.288	327.280	---	---	10
11	---	---	---	---	327.604E	327.390E	327.367	327.358	327.288E	327.280E	---	---	11
12	---	---	---	---	327.608	327.383E	327.347E	327.348	327.288	327.280E	---	---	12
13	---	---	327.175	---	327.566	327.376E	327.347E	327.346E	327.288E	327.280	---	---	13
14	---	---	---	---	327.560	327.386E	327.347	327.343	327.288E	327.280E	---	---	14
15	---	---	---	327.330	327.583E	327.381E	327.347	327.343	327.288	327.280	---	---	15
16	---	---	---	---	327.578	327.384	327.347	327.343E	327.273E	327.280E	---	---	16
17	---	---	---	---	327.573E	327.384E	327.347E	327.344E	327.278	327.280	---	---	17
18	---	---	---	---	327.568E	327.384	327.347	327.344E	327.278	327.280E	---	---	18
19	---	---	---	---	327.563E	327.384	327.350E	327.345E	327.288	327.280E	---	---	19
20	---	---	---	---	327.556	327.384E	327.354E	327.345E	327.288E	327.280E	---	---	20
21	---	---	---	327.350	327.553E	327.364E	327.356	327.346E	327.288	327.280E	---	---	21
22	---	---	---	327.356	327.548	327.364E	327.356E	327.346E	327.293E	327.280	---	---	22
23	---	---	---	327.360E	327.536	327.366	327.366	327.347E	327.298	---	---	---	23
24	---	---	---	327.356	327.526E	327.360E	327.363	327.347E	327.298E	---	---	---	24
25	---	---	---	327.371E	327.518E	327.366	327.366	327.346	327.298	---	---	---	25
26	---	---	---	327.384E	327.506	327.336	327.364E	327.336E	327.298	---	---	---	26
27	---	---	---	327.396	327.496E	327.356	327.371E	327.326	327.298	---	---	---	27
28	---	---	---	327.428	327.486	327.356E	327.376	327.323E	327.303E	---	---	---	28
29	---		---	327.456	327.478E	327.356E	327.366	327.318	327.308	---	---	---	29
30	---		---	327.446	327.466	327.356	327.363E	327.311E	327.308E	---	---	---	30
31	---		---		327.468E		327.376	327.303E		---		---	31
MEAN	---	---	---	---	327.549	327.378	327.357	327.350	327.286	---	---	---	MEAN
MAX	---	---	---	---	327.608	327.448	327.380	327.378	327.308	---	---	---	MAX
MIN	---	---	---	---	327.466	327.336	327.346	327.303	327.288	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 46 N
LONG 95 18 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1963

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FAMILY LAKE AT LITTLE GRAND RAPIDS - STATION NO. 05RB004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	304.478E	304.312	---	---	---	---	304.887	304.518	---	---	---	---
2	304.488A	304.312	---	---	---	---	304.885	304.508	---	---	---	---
3	304.488	304.308	---	---	---	---	304.880	304.500	---	---	---	---
4	304.488	304.305	---	---	---	---	304.932	304.490	---	---	---	---
5	304.435	304.303	---	---	---	---	304.928	304.477	---	---	---	---
6	304.424	304.298	---	---	---	---	304.918	304.466	---	---	---	---
7	304.417	304.295	---	---	---	---	304.884	304.459	---	---	---	---
8	304.416	304.291	---	---	---	---	304.867	304.452	---	---	---	---
9	304.409	304.289	---	---	---	---	304.863	304.442	---	---	---	---
10	304.402	304.284	---	---	---	305.328A	304.829	304.431	---	---	---	---
11	304.394	304.220A	304.090A	---	---	305.332E	304.814	304.424	---	---	---	---
12	304.381	304.276E	---	---	---	305.328A	304.781	304.418A	---	---	---	---
13	304.389	304.273E	---	---	---	305.332	304.773	304.408E	---	---	---	---
14	304.382	---	---	---	---	305.319	304.762	304.393E	---	---	---	---
15	304.380	---	---	---	---	305.289	304.758	304.377E	---	---	---	---
16	304.375	---	---	---	---	305.275	304.738	304.368E	---	---	---	---
17	304.371	---	---	---	---	305.263	304.722	304.358E	---	---	---	---
18	304.364	---	---	---	---	305.247	304.731	304.344E	---	---	---	---
19	304.367	---	---	---	---	305.224	304.688	304.348E	---	---	---	---
20	304.351	---	---	---	---	305.210	304.677	304.328E	---	---	---	---
21	304.349	---	---	---	---	305.194	304.662	304.312E	---	---	---	---
22	304.345	---	---	---	---	305.175	304.641	304.295E	---	---	---	---
23	304.340	---	---	---	---	305.140	304.637	304.280E	---	---	---	---
24	304.333	---	---	---	---	305.132	304.624	304.264E	---	---	---	---
25	304.332	---	---	---	---	305.125	304.610	304.256E	---	---	---	---
26	304.331	---	---	---	---	305.101	304.604	304.248E	---	---	---	---
27	304.330	---	---	---	---	305.077	304.587	304.243E	---	---	---	---
28	304.328	---	---	---	---	305.048	304.575	304.235E	---	---	---	---
29	304.325		---	---	---	305.027	304.568	304.228E	---	---	---	---
30	304.318		---	---	---	305.014	304.556	304.226E	---	---	---	---
31	304.315		---	---			304.534	---		---	---	---
MEAN	304.378	---	---	---	---	---	304.748	---	---	---	---	---
MAX	304.478	---	---	---	---	---	304.887	---	---	---	---	---
MIN	304.315	---	---	---	---	---	304.534	---	---	---	---	---

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 95 27 30 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

FISH LAKE AT OUTLET CONTROL STRUCTURE - STATION NO. 05RB003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	259.839	260.753	260.661	260.337	260.116	259.727	259.533	---	---
2	---	---	---	259.873	260.787	260.649	260.330	260.083	259.715	259.536	---	---
3	---	---	---	260.018	260.752	260.648	260.306	260.068	259.707	259.537	---	---
4	---	---	---	260.089	260.768	260.632	260.286	260.043	259.697	259.544	---	---
5	---	---	---	260.185	260.787	260.613	260.283	260.032	259.684	259.547	---	---
6	---	---	---	260.309	260.787	260.606	260.275	260.027	259.634	259.542	---	---
7	---	---	---	260.414	260.806	260.618	260.257	260.048	259.635	259.552	---	---
8	---	---	---	260.486	260.802	260.586	260.235	260.041	259.558	259.546	---	---
9	---	---	---	260.545	260.786	260.583	260.227	260.010	259.439	259.507	---	---
10	---	---	---	260.593	260.822	260.575	260.226	259.989	259.434	259.481	---	---
11	---	---	---	260.627	260.823	260.557	260.252	259.985	259.483	259.483	---	---
12	---	---	---	260.647	260.837	260.559	260.254	259.845	259.509	259.452	---	---
13	---	---	---	260.658	260.833	260.538	260.260	259.823	259.534	259.447	---	---
14	---	---	---	260.672	260.820	260.524	260.262	259.804	259.505	259.460	---	---
15	---	---	---	260.677	260.825	260.512	260.250	259.884	259.473	259.434	---	---
16	---	---	---	260.674	260.829	260.493	260.252	259.884	259.475	259.429	---	---
17	---	---	---	260.684	260.812	260.477	260.249	259.845	259.486	259.420	---	---
18	---	---	---	260.686	260.794	260.460	260.254	259.842	259.501	259.418	---	---
19	---	---	---	260.688	260.783	260.445	260.253	259.835	259.508	259.413	---	---
20	---	---	---	260.691	260.778	260.431	260.245	259.835	259.514	259.394	---	---
21	---	---	---	260.685	260.770	260.432	260.238	259.840	259.518	259.383	---	---
22	---	---	---	260.688	260.757	260.430	260.230	259.839	259.525	259.386	---	---
23	---	---	---	260.700	260.744	260.412	260.218	259.806	259.542	259.380	---	---
24	---	---	---	260.714	260.743	260.390	260.211	259.794	259.526	259.380	---	---
25	---	---	---	260.697	260.743	260.383	260.199	259.816	259.450	259.380	---	---
26	---	---	---	260.703	260.733	260.382	260.200	259.801	259.418	259.384	---	---
27	---	---	---	260.706	260.726	260.378	260.185	259.780	259.482	259.368A	---	---
28	---	---	---	260.724	260.714	260.368	260.184	259.778	259.483	259.370E	---	---
29	---		---	260.730	260.708	260.364	260.188	259.787	259.501	259.388E	---	---
30	---		---	260.730	260.697	260.341	260.178	259.754	259.501	259.388E	---	---
31	---		259.917A		260.674		260.143	259.740		259.384E		---
MEAN	---	---	---	260.563	260.773	260.502	260.242	259.905	259.547	259.440	---	---
MAX	---	---	---	260.730	260.837	260.661	260.337	260.116	259.727	259.552	---	---
MIN	---	---	---	259.839	260.674	260.341	260.143	259.740	259.418	259.380	---	---

WATER LEVELS IN METRES

MAXIMUM DAILY, 260.837 ON MAY 13

MAXIMUM INSTANTANEOUS,
260.869 AT 15:25 CST ON MAY 13

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 45 N
LONG 97 19 05 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1986

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

FISH LAKE DRAIN NEAR CAMP MORTON - STATION NO. 05BD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.57 B	2.31	1.08	0.427A	0.785	0.061	0.007	---	---	1
2	---	---	0 B	4.38 B	1.98	1.09	0.283E	0.778	0.037	0.018	---	---	2
3	---	---	0 B	3.00	1.78A	1.08	0.783A	0.749	0.045	0.017	---	---	3
4	---	---	0 B	2.44	1.82E	1.07	0.880	0.721	0.055	0.018	---	---	4
5	---	---	0 B	2.12	1.58E	1.04	0.894	0.680	0.040	0.017	---	---	5
6	---	---	0 B	2.04	3.48E	1.07	0.973	0.284A	0.028	0.017	---	---	6
7	---	---	0 B	1.86	3.30A	1.28	0.948	0.058E	0.028	0.017	---	---	7
8	---	---	0 B	1.33	2.69	1.27	0.918	0.028E	0.030	0.016	---	---	8
9	---	---	0 B	1.10	2.14	1.24	0.902	0.375A	0.040	0.012	---	---	9
10	---	---	0 B	1.03	1.88	1.25	0.366A	0.848	0.058	0.015	---	---	10
11	---	---	0 B	1.01	1.84	1.23	0.138E	0.597	0.048	0.018	---	---	11
12	---	---	0 B	0.881	1.80	1.21	0.085E	0.581	0.035	0.013	---	---	12
13	---	---	0 B	0.807	1.50	1.20	0.042E	0.533	0.018	0.012	---	---	13
14	---	---	0 B	0.854	1.37	1.16	0.027E	0.492	0.003	0.012	---	---	14
15	---	---	0 B	0.821	1.38	1.13	0.233A	0.448	0.002A	0.011	---	---	15
16	---	---	0 B	1.17	1.48	1.11	0.258A	0.391	0.001E	0.008	---	---	16
17	---	---	0 B	1.61	1.48	1.24	0.176A	0.353	0.011	0.008	---	---	17
18	---	---	0 B	1.58	1.40	1.21	0.453	0.312	0.007	0.007	---	---	18
19	---	---	0 B	1.87	1.39	1.18	0.427	0.190A	0.011	0.007	---	---	19
20	---	---	0 B	1.88	1.33	1.12	0.428	0.089A	0.009	0.004	---	---	20
21	---	---	0 B	1.89	1.29	0.545	0.429	0.212A	0.003	0.005	---	---	21
22	---	---	0 B	1.35	1.27	0.430	0.438	0.058E	0.001	0.004	---	---	22
23	---	---	0 B	1.31	1.23	0.371	0.433	0.035E	0	0.002	---	---	23
24	---	---	0 B	1.24	1.21	1.07	0.430	0.241	0	0.002	---	---	24
25	---	---	0 B	1.17	1.22	0.376A	0.424	0.394	0	0.002	---	---	25
26	---	---	0 B	1.26	1.20	0.226E	0.312A	0.218	0	0.004	---	---	26
27	---	---	0 B	1.27	1.17	1.02	0.109E	0.183	0	0.005E	---	---	27
28	---	---	0.1748	1.63	1.14	0.823	0.053E	0.109	0	0.005E	---	---	28
29	---		2.90 B	1.64	1.12	0.550	0.186A	0.075	0.002	0.005E	---	---	29
30	---		4.73 B	1.68	1.12	0.542	0.460	0.053	0.004	0.004E	---	---	30
31	---		5.43 B		1.10		0.800	0.061		0.003E		---	31
TOTAL	---	---	13.234	61.303	50.00	39.035	13.881	10.583	0.575	0.289	---	---	TOTAL
MEAN	---	---	0.427	1.71	1.61	0.968	0.441	0.341	0.019	0.009	---	---	MEAN
MAX	---	---	5.43	5.57	3.48	1.28	0.998	0.785	0.058	0.018	---	---	MAX
MIN	---	---	0	0.807	1.10	0.226	0.027	0.028	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.889
MAXIMUM DAILY, 5.570 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
8.078 AT 20:15 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 11 N
LONG 97 01 03 W
DRAINAGE AREA, 632 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1965

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	914
MAR	1 140	SEP	49 8
APR	4 430	OCT	25 0
MAY	4 320	NOV	---
JUN	2 510	DEC	---

TOTAL DISCHARGE, 14 800 dam³

FISHER RIVER NEAR DALLAS - STATION NO. 05BD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.3718	0.2578	0.2388	53.78	26.6	2.25	0.721	0.430	0.290	0.401	0.295	0.3389	1
2	0.3528	0.2568	0.2448	62.88	33.6	2.01	0.852	0.437	0.280	0.354	0.284	0.2368	2
3	0.3458	0.2488	0.2648	80.38	31.1	1.81	0.625	0.420	0.278	0.325	0.304	0.2358	3
4	0.3438	0.2528	0.2788	87.48	25.8	1.65	0.803	0.418	0.272	0.306	0.287	0.2298	4
5	0.3808	0.2538	0.2898	86.18	22.6	1.54	0.535	0.412	0.264	0.287	0.326	0.2268	5
6	0.3578	0.2488	0.2858	69.88	22.8	1.45	0.625	0.387	0.268	0.285	0.325	0.2318	6
7	0.3408	0.2558	0.3058	61.1	48.6	1.61	0.630	0.337	0.274	0.305	0.305	0.2168	7
8	0.3288	0.2628	0.3208	35.6	42.8	1.70	0.616	0.365	0.266	0.312	0.2958	0.2138	8
9	0.3288	0.2708	0.3228	30.7	31.7	1.45	6.894	0.406	0.263	0.345	0.3008	0.2148	9
10	0.3488	0.2798	0.3118	27.8	25.4	1.38	0.576	0.414	0.232	0.343	0.2588	0.2188	10
11	0.3888	0.2778	0.2978	24.6	22.8	1.58	0.628	0.415	0.207	0.341	0.2298	0.2138	11
12	0.3588	0.2708	0.3138	21.1	20.7	1.37	0.782	0.416	0.224	0.350	0.2818	0.2138	12
13	0.3808	0.2718	0.3078	17.3	18.6	1.26	0.988	0.396	0.252	0.376	0.1918	0.1988	13
14	0.3838	0.2768	0.3118	14.1	16.7	1.17	1.21	0.389	0.248	0.376	0.1898	0.1988	14
15	0.3528	0.2838	0.3228	11.3	14.8	1.07	1.30	0.348	0.249	0.384	0.1928	0.1958	15
16	0.3538	0.2488	0.3178	12.7	13.6	0.988	1.38	0.310	0.318	0.338	0.1948	0.2158	16
17	0.3548	0.2498	0.3388	12.8	12.3	0.955	1.16	0.303	0.438	0.313	0.2158	0.2228	17
18	0.3518	0.2448	0.3328	13.1	10.8	0.675	0.955	0.316	0.425	0.332	0.2128	0.2288	18
19	0.3548	0.2428	0.3458	20.5	9.40	0.818	0.842	0.301	0.395	0.338	0.2288	0.2288	19
20	0.3598	0.2398	0.3488	30.6	8.50	0.776	0.787	0.259	0.382	0.331	0.2168	0.2348	20
21	0.3488	0.2548	0.3468	27.5	7.91	0.755	0.744	0.260	0.346	0.319	0.2308	0.2358	21
22	0.3508	0.2478	0.3728	22.3	7.15	0.923	0.850	0.246	0.336	0.312	0.2128	0.2318	22
23	0.3438	0.2338	0.4318	20.0	6.53	0.947	0.598	0.240	0.323	0.306	0.2258	0.2268	23
24	0.3268	0.2358	0.4878	18.5	5.90	0.885	0.645	0.282	0.305	0.305	0.2438	0.2188	24
25	0.3228	0.2348	0.5088	16.1	5.22	0.914	0.537	0.338	0.310	0.315	0.2448	0.2208	25
26	0.3158	0.2218	0.5878	16.1	4.54	1.07	0.625	0.348	0.358	0.321	0.2878	0.2208	26
27	0.3118	0.2398	0.9818	15.8	4.05	1.18	0.530	0.330	0.349	0.281	0.2618	0.2148	27
28	0.2918	0.2368	1.28 B	17.7	3.68	1.15	0.513	0.309	0.389	0.276	0.2648	0.2198	28
29	0.2628		4.22 B	23.9	3.54	0.984	0.462	0.281	0.390	0.274	0.2548	0.2138	29
30	0.2768		17.3 B	22.6	2.97	0.853	0.449	0.289	0.416	0.276	0.2548	0.2218	30
31	0.2898		41.0 B		2.80		0.436	0.275		0.287		0.2328	31
TOTAL	10.487	7.081	73.575	918.8	524.39	37.383	33.093	10.809	8.294	10.018	7.804	8.840	TOTAL
MEAN	0.338	0.252	2.37	30.6	16.9	1.25	0.713	0.342	0.310	0.323	0.260	0.221	MEAN
MAX	0.371	0.279	41.0	87.4	48.6	2.25	1.30	0.437	0.438	0.401	0.326	0.236	MAX
MIN	0.269	0.221	0.236	11.3	2.80	0.765	0.436	0.249	0.207	0.274	0.189	0.195	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.48
MAXIMUM DAILY, 87.48 ON APR 4
MINIMUM DAILY, 0.1898 ON NOV 14
MAXIMUM INSTANTANEOUS,
91.08 AT 08:32 CST ON APR 4

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 20 N
LONG 97 30 50 W
DRAINAGE AREA, 1 510 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	904	JUL	1 810
FEB	610	AUG	817
MAR	6 380	SEP	803
APR	78 200	OCT	856
MAY	65 300	NOV	648
JUN	3 230	DEC	891

TOTAL DISCHARGE, 141 000 dam³

FOOTPRINT LAKE AT NELSON HOUSE - STATION NO. 05TF001

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	243.808	243.130	242.680	242.643	242.852	242.611	---	---	242.740	243.587	243.590	243.613
2	243.820	243.095	242.678	242.642	242.848	242.578	---	---	242.782	243.588	243.588	243.617
3	243.852	243.084	242.684	242.647	242.844	242.539	---	---	242.778A	243.589	243.580	243.617
4	243.875	243.043	242.653	242.654	242.855	242.514	---	---	243.795E	243.573	243.578	243.513
5	243.885	243.011	242.650	242.658	242.872	242.487	---	---	243.830E	243.583	243.585	243.512
6	243.890	242.978	242.648	242.685	242.894	242.457	---	---	243.880E	243.590	243.572	243.506
7	243.711	242.954	242.648	242.687	242.912	242.415	---	---	243.950E	243.597	243.582	243.488
8	243.736	242.928	242.644	242.684	242.733	242.400	---	---	243.000E	243.600	243.567	243.481
9	243.748	242.902	242.648	242.685	242.757	242.355	---	---	243.080E	243.601	243.551	243.458
10	243.784	242.879	242.652	242.694	242.793	242.342	242.182A	---	243.115E	243.606	243.547	243.455
11	243.784	242.882	242.648	242.672	242.835	242.325	242.151	242.320A	243.175E	243.622	243.537	243.456
12	243.746	242.851	242.650	242.682	242.881	242.328	242.128A	242.288	243.220E	243.633	243.530	243.456
13	243.736	242.839	242.648	242.675	243.000	242.334	---	242.268	243.270E	243.638	243.527	243.469
14	243.723	242.811	242.647	242.687	243.055	242.337	---	242.255	243.330E	243.650	243.522	243.493
15	243.709	242.791	242.647	242.694	243.190	242.331	---	242.256	243.378E	243.651	243.518	243.509
16	243.694	242.771	242.645	242.659	243.172	242.328	---	242.255	243.407A	243.662	243.513	243.523
17	243.681	242.763	242.643	242.645	243.178	242.324	---	242.254	243.427	243.661	243.509	243.530
18	243.615	242.743	242.632	242.644	243.157	242.314	---	242.251	243.447	243.657	243.508	243.538
19	243.686	242.731	242.638	242.639	243.139	242.295	---	242.248	243.467	243.656	243.504	243.535
20	243.647	242.722	242.632	242.630	243.099	242.279	---	242.247	243.477	243.650	243.503	243.534
21	243.606	242.721	242.629	242.609	243.061	242.269	---	242.245	243.488	243.642	243.508	243.535
22	243.482	242.716	242.629	242.601	243.034	242.241	---	242.259	243.504	243.635	243.509	243.539
23	243.417	242.711	242.630	242.597	242.992	242.222	---	242.329	243.517	243.628	243.505	243.534
24	243.381	242.703	242.630	242.602	242.945	242.203	---	242.295	243.526	243.623	243.514	243.539
25	243.361	242.703	242.631	242.596	242.901	242.182	---	242.456	243.522	243.614	243.518	243.526
26	243.315	242.690	242.632	242.600	242.859	242.155	---	242.509	243.526	243.614	243.512	243.520
27	243.297	242.685	242.638	242.607	242.814	242.157	---	242.558	243.537	243.612	243.515	243.525
28	243.270	242.679	242.641	242.619	242.771	242.147	---	242.603	243.546	243.612	243.510	243.533
29	243.238		242.641	242.646	242.729	242.141A	---	242.647	243.552	243.607	243.507	243.537
30	243.182		242.642	242.651	242.682	242.135E	---	242.688	243.585	243.603	243.510	243.539
31	243.153		242.642		242.642		---	242.718		243.598		243.532
MEAN	243.558	242.836	242.644	242.642	242.873	242.324	---	---	243.259	243.617	243.533	243.512
MAX	243.784	243.130	242.680	242.682	243.178	242.611	---	---	243.585	243.662	243.590	243.539
MIN	243.153	242.679	242.628	242.596	242.642	242.135	---	---	242.740	243.587	243.503	243.455

SUMMARY FOR THE YEAR 1985

WATER LEVELS IN METRES

MAXIMUM DAILY, 243.784 ON JAN 10

MAXIMUM INSTANTANEOUS,
243.785 ON JAN 9

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 00 N
LONG 98 51 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 197

DRAINAGE AREA,
1 440 km²

FOOTPRINT RIVER ABOVE FOOTPRINT LAKE - STATION NO. 05TF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.8028	0.7899	0.7118	0.6548	3.82E	12.9	6.39	5.37	6.13	4.00	3.04	2.80
2	0.8988	0.7858	0.7118	0.6808	4.22E	12.6	6.08	6.08	6.85	4.03	3.11	2.91
3	0.8948	0.7828	0.7078	0.6888	4.76E	12.5	5.88	6.84	6.03	3.78	3.10	2.85
4	0.8888	0.7788	0.7078	0.6808	5.22E	11.9	5.08	6.78	6.30	3.95	3.10	2.84
5	0.8828	0.7768	0.7048	0.6978	5.70E	11.5	6.01	6.85	6.04	3.78	3.14	2.83
6	0.8788	0.7728	0.7048	0.7218	6.28E	11.0	7.74	6.42	6.83	3.77	3.08	2.89
7	0.8708	0.7648	0.7008	0.7488	6.81E	10.7	8.29	6.44	6.81	3.86	3.04	2.87
8	0.8888	0.7658	0.6978	0.7828	7.69E	9.68	8.78	6.35	6.71	3.76	3.04	2.93
9	0.8828	0.7658	0.6978	0.8028	8.26E	9.68	8.83	6.14	6.47	3.82	3.01	2.90
10	0.8588	0.7828	0.6948	0.8338	8.64E	9.89	8.87	7.80	6.88	3.72	2.98	2.88
11	0.8548	0.7828	0.6948	0.8628	8.71E	9.54	8.74	7.54	6.80	3.61	2.88	2.85
12	0.8508	0.7588	0.6908	0.9028	10.5 E	9.87	8.64	7.36	6.83	3.38	2.84	2.77
13	0.8508	0.7588	0.6878	0.9388	11.0 A	9.48	8.38	7.36	6.44	3.47	2.82	2.77
14	0.8478	0.7518	0.6838	0.9798	11.8	9.36	8.15	7.32	6.38	3.41	2.81	2.84
15	0.8438	0.7488	0.6808	1.03 B	13.3	9.22	8.14	7.88	6.18	3.36	2.77	2.83
16	0.8408	0.7458	0.6778	1.08 B	14.3	9.13	8.40	7.88	6.01	3.23	2.76	2.79
17	0.8388	0.7418	0.6778	1.16 B	14.7	8.97	8.37	7.44	6.86	3.23	2.70	2.76
18	0.8338	0.7388	0.6748	1.24 B	14.8	8.87	8.88	7.47	6.82	3.21	2.68	2.72
19	0.8308	0.7388	0.6748	1.33 B	15.1	8.83	9.88	7.48	6.78	3.18	2.68	2.70
20	0.8288	0.7348	0.6718	1.42 B	15.3	8.83	9.83	7.88	6.88	3.14	2.87	2.88
21	0.8238	0.7318	0.6718	1.52 E	15.2	8.18	9.85	7.44	6.83	3.15	2.71	2.88
22	0.8188	0.7288	0.6718	1.64 E	15.2	8.10	9.78	7.88	6.82	3.15	2.88	2.88
23	0.8168	0.7288	0.6688	1.78 E	15.0	7.78	10.0	7.38	6.81	3.04	2.88	2.88
24	0.8138	0.7248	0.6688	1.83 E	15.0	7.48	10.3	7.28	6.88	3.00	2.74	2.71
25	0.8088	0.7248	0.6688	2.10 E	14.7	7.48	10.1	7.38	6.80	3.09	2.78	2.86
26	0.8068	0.7218	0.6688	2.33 E	14.6	7.28	10.3	7.18	6.88	3.10	2.80	2.85
27	0.8028	0.7178	0.6688	2.48 E	14.2	7.04	10.1	6.82	6.38	3.10	2.81	2.85
28	0.7988	0.7148	0.6638	2.78 E	14.1	6.87	9.91	6.72	6.21	3.27	2.78	2.85
29	0.7968		0.6638	3.02 E	13.8	6.83	9.71	6.75	6.13	3.06	2.75	2.85
30	0.7928		0.6608	3.36 E	13.7	6.48	9.88	6.59	6.08	2.97	2.76	2.89
31	0.7928		0.6578		13.2		9.88	6.59		3.02		2.81
TOTAL	26.072	20.999	21.158	41.124	350.83	277.38	270.11	228.28	194.87	105.33	85.71	86.03
MEAN	0.841	0.750	0.683	1.37	11.3	9.24	8.71	7.38	6.16	3.40	2.86	2.78
MAX	0.902	0.789	0.711	3.36	15.2	12.9	10.3	9.37	6.30	4.03	3.14	2.86
MIN	0.792	0.714	0.657	0.854	3.82	6.40	6.88	6.38	4.08	2.97	2.68	2.81

SUMMARY FOR THE YEAR 1985

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.80
MAXIMUM DAILY, 15.3 ON MAY 20
MINIMUM DAILY, 0.8548 ON APR 1
MAXIMUM INSTANTANEOUS,
15.4 AT 11:20 CST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 50 N
LONG 98 53 10 W
DRAINAGE AREA, 599 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 250	JUL	23 300
FEB	1 810	AUG	20 800
MAR	1 830	SEP	13 400
APR	3 550	OCT	9 100
MAY	30 300	NOV	7 410
JUN	24 000	DEC	7 430

TOTAL DISCHARGE, 145 000 dam³

FORK RIVER NEAR ETHELBERT - STATION NO. OSLJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	7.168	1.83 E	0.850	0.154	0.282	0.017	1.50	---	---	1
2	---	---	0 B	4.218	1.56 E	0.629	0.144	0.244	0.010	1.20	---	---	2
3	---	---	0 B	3.28A	2.04 E	0.602	0.138	0.242	0.010	0.881	---	---	3
4	---	---	0 B	2.55	3.50 E	0.510	0.147	0.259	0.018	0.838	---	---	4
5	---	---	0 B	2.19	4.08 E	0.498	0.399	0.212	0.035	0.685	---	---	5
6	---	---	0 B	2.22	5.10 E	0.589	0.770	0.204	0.021	0.674	---	---	6
7	---	---	0 B	2.57	12.9 A	0.538	0.572	0.557	0.016	0.555	---	---	7
8	---	---	0 B	2.52	10.7	0.478	0.849	0.883	0.020	0.495	---	---	8
9	---	---	0 B	2.68	10.1	0.448	0.824	0.481	0.014	0.474	---	---	9
10	---	---	0 B	3.08	14.7	0.476	0.784	0.335	0.015	0.834	---	---	10
11	---	---	0 B	3.05	11.4	0.503	1.16	0.248	0.010	0.804	---	---	11
12	---	---	0 B	2.708	8.38	0.439	1.42	0.185	0.055	0.528	---	---	12
13	---	---	0 B	2.508	6.28	0.450	1.67	0.141	0.072	0.491	---	---	13
14	---	---	0 B	2.078	5.07	0.388	1.97	0.112	0.108	0.474	---	---	14
15	---	---	0 B	1.708	4.54	0.344	1.62	0.103	0.079	0.530	---	---	15
16	---	---	0 B	1.588	3.87	0.311	1.57	0.087	0.115	0.435	---	---	16
17	---	---	0 B	1.73	3.72	0.322	1.56	0.078	0.128	0.388	---	---	17
18	---	---	0 B	2.17	3.36	0.268	1.28	0.075	0.128	0.356	---	---	18
19	---	---	0 B	2.71	3.10	0.259	0.932	0.063	0.104	0.343	---	---	19
20	---	---	0 B	2.72	3.06	0.374	0.729	0.044	0.101	0.317	---	---	20
21	---	---	0.0408	2.42	2.51	0.370	0.592	0.076	0.089	0.287	---	---	21
22	---	---	0.1308	2.21	2.21	0.296	0.462	0.117	0.104	0.283	---	---	22
23	---	---	0.4458	2.30	1.99	0.282	0.401	0.032	0.073	0.263	---	---	23
24	---	---	0.9108	2.60	1.77	0.254	0.342	0.023	0.088	0.241	---	---	24
25	---	---	1.04 B	2.63	1.57	0.243	0.292	0.042	0.126	0.218	---	---	25
26	---	---	0.8878	2.48A	1.48	0.271	0.649	0.087	0.856	0.216	---	---	26
27	---	---	0.6978	2.28E	1.31	0.262	0.559	0.113	2.37	0.203	---	---	27
28	---	---	0.49 B	1.99E	1.16	0.222	0.418	0.059	1.79	0.211	---	---	28
29	---	---	11.5 B	1.85E	1.04	0.184	0.288	0.051	1.71	0.188	---	---	29
30	---	---	8.95 B	2.10E	0.917	0.137	0.283	0.037	1.84	0.156	---	---	30
31	---		8.15 B		0.804		0.334	0.021		0.1558		---	31
TOTAL	---	---	43.059	76.28	137.151	11.581	23.112	5.252	10.212	14.943	---	---	TOTAL
MEAN	---	---	1.39	2.61	4.42	0.386	0.746	0.169	0.340	0.482	---	---	MEAN
MAX	---	---	11.5	7.16	14.7	0.650	1.97	0.883	2.37	1.50	---	---	MAX
MIN	---	---	0	1.59	0.804	0.137	0.138	0.021	0.010	0.156	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.32
MAXIMUM DAILY, 14.7 ON MAY 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.6 AT 15:04 CST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 20 N
LONG 100 22 10 W
DRAINAGE AREA, 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 000
FEB	---	AUG	454
MAR	3 720	SEP	882
APR	6 760	OCT	1 290
MAY	11 800	NOV	---
JUN	1 000	DEC	---

TOTAL DISCHARGE, 27 900 dam³

GAINSBOROUGH CREEK NEAR LYLETON - STATION NO. OSNF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1008	3.35	0.496	0.376	0.043	0.282	0.035	0.043	---	---	1
2	---	---	0.2008	1.50	0.498	0.332	0.022	0.257	0.033	0.051	---	---	2
3	---	---	0.3008	1.33	0.498	0.286	0.006	0.227	0.021	0.047	---	---	3
4	---	---	0.4108	1.93	0.481	0.194	0.004	0.181	0.022	0.038	---	---	4
5	---	---	0.5328	1.97	0.617	0.161	0.005	0.320	0.015	0.032	---	---	5
6	---	---	0.5628	1.85	0.978	0.181	0.005	0.355	0.012	0.028	---	---	6
7	---	---	0.6508	1.71	0.907	0.182	0.006	0.261	0.014	0.020	---	---	7
8	---	---	0.7588	1.55	0.826	0.154	0.007	0.230	0.021	0.021	---	---	8
9	---	---	0.8368	1.42	0.900	0.122	0.007	0.221	0.032	0.027	---	---	9
10	---	---	0.7208	1.36	0.945	0.093	0.005	0.238	0.048	0.025	---	---	10
11	---	---	0.6038	0.5968	2.58	0.094	0.005	0.238	0.078	0.018	---	---	11
12	---	---	0.5068	0.1718	2.22	0.075	0.018	0.200	0.088	0.018	---	---	12
13	---	---	0.4728	0.1408	3.05	0.101	0.108	0.188	0.088	0.020	---	---	13
14	---	---	0.4718	0.3258	5.38	0.052	0.184	0.209	0.071	0.018	---	---	14
15	---	---	0.4168	0.4838	5.51	0.032	0.121	0.195	0.078	0.015	---	---	15
16	---	---	0.4288	0.547	5.19	0.020	0.061	0.182	0.078	0.014	---	---	16
17	---	---	1.05 B	0.567	4.82	0.013	0.040	0.150	0.081	0.014	---	---	17
18	---	---	1.43 B	0.675	4.24	0.008	0.030	0.143	0.093	0.014	---	---	18
19	---	---	1.30 B	0.718	1.07	0.007	0.667	0.128	0.104	0.015	---	---	19
20	---	---	1.26 B	0.701	0.492	0.008	1.88	0.100	0.112	0.012	---	---	20
21	---	---	1.20 B	0.688	0.358	0.008	2.07	0.101	0.136	0.012	---	---	21
22	---	---	1.60 B	0.670	0.691	0.008	1.52	0.084	0.126	0.011	---	---	22
23	---	---	5.64 B	0.639	0.853	0.026	0.484	0.085	0.115	0.012	---	---	23
24	---	---	5.09 B	0.628	0.886	0.037	0.158	0.059	0.102	0.013	---	---	24
25	---	---	4.81 B	0.616	0.982	0.021	0.071	0.058	0.143	0.014	---	---	25
26	---	---	5.84 B	0.586	0.914	0.047	0.036	0.081	0.130	0.012	---	---	26
27	---	---	4.30 B	0.575	0.849	0.254	0.203	0.059	0.107	0.011	---	---	27
28	---	---	3.88 B	0.567	0.783	0.114	0.128	0.051	0.078	0.010	---	---	28
29	---	---	2.15	0.535	0.851	0.087	0.284	0.058	0.080	0.010	---	---	29
30	---	---	0.767	0.508	0.552	0.067	0.388	0.045	0.050	0.011	---	---	30
31	---	---	3.21		0.472		0.273	0.037		0.013	---	---	31
TOTAL	---	---	51.291	28.915	49.880	3.132	8.819	5.010	2.126	0.823	---	---	TOTAL
MEAN	---	---	1.65	0.964	1.61	0.104	0.284	0.162	0.071	0.030	---	---	MEAN
MAX	---	---	5.84	3.35	5.51	0.378	2.07	0.355	0.143	0.051	---	---	MAX
MIN	---	---	0.100	0.140	0.358	0.007	0.004	0.037	0.012	0.010	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.811
MAXIMUM DAILY, 5.840 ON MAR 23
MINIMUM DAILY, 0.004 ON JUL 4
MAXIMUM INSTANTANEOUS,
7.218 AT 18:23 CST ON MAR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 45 N
LONG 101 11 00 W
DRAINAGE AREA, 1 130 km²

B - ICE CONDITIONS

REGULATED SINCE 1962

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	782
FEB	---	AUG	433
MAR	4 430	SEP	184
APR	2 500	OCT	53.8
MAY	4 310	NOV	---
JUN	271	DEC	---

TOTAL DISCHARGE, 12 900 dam³

GARLAND RIVER NEAR DUCK RIVER - STATION NO. 05LG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0.053 B	14.2 B	3.50	0.497	0.236	0.144	0.010	1.06	---	---	1
2	---	---	0.053 B	14.1 B	3.78	0.462	0.223	0.131	0.006	0.811	---	---	2
3	---	---	0.053 B	11.0 B	5.16	0.436	0.189	0.123	0.004	0.652	---	---	3
4	---	---	0.053 B	8.728	7.35	0.404	0.176	0.129	0	0.566	---	---	4
5	---	---	0.053 B	7.888	7.28	0.431	0.212	0.122	0	0.480	---	---	5
6	---	---	0.053 B	8.53	8.51	0.470	0.262	0.136	0	0.434	---	---	6
7	---	---	0.051 B	8.77	12.2	0.458	0.551	0.184	0	0.430	---	---	7
8	---	---	0.047 B	8.16	13.7	0.607	0.783	0.168	0	0.340	---	---	8
9	---	---	0.040 B	8.58	12.8	0.801	0.643	0.826	0	0.323	---	---	9
10	---	---	0.050 B	8.46	11.6	0.514	0.681	0.715	0	0.348	---	---	10
11	---	---	0.057 B	8.16	11.8	0.454	0.863	0.480	0	0.347	---	---	11
12	---	---	0.070 B	8.57 B	11.4	0.427	0.821	0.386	0.019	0.313	---	---	12
13	---	---	0.083 B	8.25 B	9.13	0.413	0.940	0.323	0.027	0.336	---	---	13
14	---	---	0.098 B	3.08 B	7.27	0.318	0.981	0.242	0.015	0.316	---	---	14
15	---	---	0.113 B	3.11 B	6.17	0.282	0.958	0.178	0.011	0.288	---	---	15
16	---	---	0.103 B	3.00 B	5.42	0.277	0.907	0.155	0.008	0.329	---	---	16
17	---	---	0.110 B	3.89	4.63	0.255	0.745	0.139	0.009	0.287	---	---	17
18	---	---	0.133 B	4.85	3.95	0.256	0.681	0.122	0.006	0.302	---	---	18
19	---	---	0.117 B	4.77	3.52	0.239	0.436	0.103	0.004	0.316	---	---	19
20	---	---	0.107 B	4.26	3.06	0.276	0.387	0.088	0.001	0.259	---	---	20
21	---	---	0.102 B	3.73	2.55	0.285	0.282	0.075	0.018	0.256	---	---	21
22	---	---	0.108 B	3.16	2.16	0.454	0.238	0.057	0.081	0.228	---	---	22
23	---	---	1.04 B	3.01	1.81	0.368	0.206	0.063	0.072	0.246	---	---	23
24	---	---	0.765 B	3.16	1.56	0.284	0.177	0.039	0.080	0.215	---	---	24
25	---	---	0.644 B	3.04	1.40	0.236	0.160	0.028	0.050	0.217	---	---	25
26	---	---	0.943 B	2.73	1.23	0.626	0.147	0.057	0.088	0.194	---	---	26
27	---	---	0.800 B	2.36	1.07	0.645	0.135	0.046	0.284	0.177	---	---	27
28	---	---	0.856 B	2.26	0.930	0.419	0.135	0.029	2.06	0.189	---	---	28
29	---	---	3.79 B	2.76	0.806	0.327	0.130	0.023	2.33	0.173	---	---	29
30	---	---	8.59 B	3.17	0.706	0.248	0.137	0.018	1.53	0.204	---	---	30
31	---		12.5 B		0.601		0.151	0.015		0.192		---	31
TOTAL	---	---	31.735	154.85	166.735	11.907	13.401	5.347	5.671	10.841	---	---	TOT
MEAN	---	---	1.02	5.16	5.38	0.397	0.432	0.172	0.222	0.350	---	---	MEA
MAX	---	---	12.5	14.2	13.7	0.645	0.881	0.826	2.33	1.06	---	---	MAX
MIN	---	---	0.040	2.26	0.601	0.236	0.130	0.015	0	0.189	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.84
MAXIMUM DAILY, 14.2B ON APR 1
MINIMUM DAILY, 0 ON SEP 4
MAXIMUM INSTANTANEOUS,
14.8B AT 02:54 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 08 N
LONG 100 14 58 W
DRAINAGE AREA, 440 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	462
MAR	2 740	SEP	576
APR	13 400	OCT	937
MAY	14 400	NOV	---
JUN	1 030	DEC	---

TOTAL DISCHARGE, 34 700 dam³

GAUER RIVER BELOW THORSTEINSON LAKE - STATION NO. 05FA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	8.28 B	8.55 B	7.24 B	8.66 B	22.1 B	192	119	137	75.8	49.4	29.1 B	19.8 B	1
2	8.28 B	8.55 B	7.30 B	8.92 B	23.9 B	193	119	135	75.3	47.7A	28.5 B	19.5 B	2
3	8.22 B	8.55 B	7.41 B	8.92 B	26.4 B	186	116	134	70.6	51.6	28.1 B	19.3 B	3
4	8.11 B	8.55 B	7.47 B	8.96 B	29.9 B	186	112	128	63.0	48.4	27.4 B	19.1 B	4
5	8.05 B	8.55 B	7.59 B	8.96 B	33.0 B	188	107	124	58.3	50.4	27.0 B	18.8 B	5
6	7.93 B	8.55 B	7.64 B	9.09 B	36.9 B	184	110	121	71.0	48.9	26.7 B	18.6 B	6
7	7.93 B	8.55 B	7.78 B	9.27 B	44.3 B	172	133	118	64.4	44.5	26.3 B	18.3 B	7
8	7.93 B	8.55 B	7.76 B	9.44 B	53.6 B	179	151	112	71.0	45.0 B	25.9 B	18.2 B	8
9	7.93 B	8.55 B	7.76 B	9.50 B	64.0 B	171	162	108	73.2	43.9 B	25.5 B	18.1 B	9
10	7.93 B	8.55 B	7.82 B	9.57 B	77.8	166	189	111	71.1	42.9 B	25.0 B	18.0 B	10
11	7.76 B	8.60 B	7.88 B	9.72 B	93.5	164	173	109	68.3	42.3 B	24.7 B	18.0 B	11
12	7.70 B	8.60 B	7.93 B	9.87 B	127	160	174	106	65.1	41.8 B	24.4 B	17.9 B	12
13	7.64 B	8.60 B	8.11 B	10.2 B	160	165	175	106	67.1	40.8 B	23.9 B	17.8 B	13
14	7.53 B	8.66 B	8.17 B	10.2 B	174	166	178	102	66.1	40.2 B	23.5 B	17.5 B	14
15	7.35 B	8.66 B	8.28 B	10.4 B	181	168	177	98.0	64.9	39.6 B	23.3 B	17.3 B	15
16	7.24 B	8.77 B	8.34 B	10.6 B	186	167	177	92.2	64.8	38.8 B	23.2 B	17.1 B	16
17	7.18 B	8.77 B	8.34 B	11.0 B	191	163	177	84.9	62.7	37.8 B	22.8 B	17.0 B	17
18	7.12 B	8.77 B	8.34 B	11.0 B	198	159	176	83.9	61.0	37.1 B	22.5 B	17.0 B	18
19	6.95 B	8.77 B	8.34 B	11.2 B	206	156	172	82.5	62.2	36.3 B	22.3 B	16.9 B	19
20	6.77 B	8.77 B	8.34 B	11.6 B	215	152	176	87.2	62.3	35.6 B	22.1 B	16.6 B	20
21	6.72 B	8.83 B	8.34 B	11.8 B	222	147	171	93.0	60.5	35.4 B	21.7 B	16.6 B	21
22	6.66 B	8.88 B	8.34 B	12.5 B	221	141	169	92.3	59.0	34.6 B	21.5 B	16.4 B	22
23	6.66 B	8.88 B	8.34 B	13.0 B	221	138	168	92.4	59.1	34.1 B	21.4 B	16.3 B	23
24	6.60 B	7.06 B	8.34 B	13.7 B	220	137	162	88.6	56.4	33.3 B	21.2 B	16.2 B	24
25	6.60 B	7.12 B	8.34 B	14.3 B	213 E	135	162	81.6	54.5	32.8 B	21.0 B	16.2 B	25
26	6.60 B	7.18 B	8.34 B	15.3 B	198 E	133	157	83.0	51.3	32.2 B	20.7 B	16.1 B	26
27	6.60 B	7.18 B	8.40 B	16.2 B	193	132	154	84.3	48.6	31.7 B	20.3 B	16.0 B	27
28	6.60 B	7.18 B	8.46 B	17.6 B	194	130	151	83.6	48.0	31.0 B	20.2 B	16.0 B	28
29	6.55 B		8.63 B	18.6 B	193	128	147	78.6	48.1	30.4 B	20.1 B	15.9 B	29
30	6.55 B		8.69 B	20.1 B	192	123	144	75.1	48.7	29.9 B	20.0 B	15.8 B	30
31	6.55 B		8.80 B		192		139	68.4		29.3 B		15.8 B	31
TOTAL	226.52	188.86	250.84	350.62	4 403.4	4 781	4 776	3 130.3	1 882.4	1 217.3	710.3	537.9	TOTA
MEAN	7.31	6.75	8.09	11.7	142	159	154	101	62.7	39.3	23.7	17.4	MEAN
MAX	8.28	7.18	8.80	20.1	222	193	178	137	75.8	51.6	29.1	19.8	MAX
MIN	6.55	6.55	7.24	8.66	22.1	123	107	68.4	48.0	28.3	20.0	15.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 81.6
MAXIMUM DAILY, 232 ON MAY 21
MINIMUM DAILY, 6.55B ON JAN 28
MAXIMUM INSTANTANEOUS,
225 AT 10:30 CST ON MAY 21

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 18 08 N
LONG 97 31 24 W
DRAINAGE AREA, 5 950 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	19 600	JUL	413 000
FEB	16 300	AUG	270 000
MAR	21 700	SEP	163 000
APR	30 300	OCT	105 000
MAY	380 000	NOV	81 400
JUN	413 000	DEC	46 500

TOTAL DISCHARGE, 1 940 000 dam³

GIMBY CREEK NEAR CARTWRIGHT - STATION NO. 05DA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.385A	0.387	0.025	---	---	---	---	---	---	1
2	---	---	0 B	0.267	0.303	0.025	---	---	---	---	---	---	2
3	---	---	0 B	0.282	0.243	0.024	---	---	---	---	---	---	3
4	---	---	0 B	0.282	0.236	0.021	---	---	---	---	---	---	4
5	---	---	0 B	0.242	0.306	0.020	---	---	---	---	---	---	5
6	---	---	0 B	0.204	1.17	0.020	---	---	---	---	---	---	6
7	---	---	0 B	0.202	0.652	0.018	---	---	---	---	---	---	7
8	---	---	0 B	0.199	0.279	0.017	---	---	---	---	---	---	8
9	---	---	0 B	0.173	0.277	0.016	---	---	---	---	---	---	9
10	---	---	0 B	0.155	0.445	0.016	---	---	---	---	---	---	10
11	---	---	0 B	0.143	0.285	0.015	---	---	---	---	---	---	11
12	---	---	0 B	0.126A	0.202	0.014	---	---	---	---	---	---	12
13	---	---	0 B	0.122A	0.144	0.013	---	---	---	---	---	---	13
14	---	---	0.250B	0.091A	0.117	0.012	---	---	---	---	---	---	14
15	---	---	0.500B	0.071A	0.102	0.013	---	---	---	---	---	---	15
16	---	---	1.50 B	0.084A	0.120	0.015	---	---	---	---	---	---	16
17	---	---	2.53 B	0.151A	0.108	0.014	---	---	---	---	---	---	17
18	---	---	2.00 B	0.343	0.087	0.013	---	---	---	---	---	---	18
19	---	---	1.50 B	1.42	0.073	0.012	---	---	---	---	---	---	19
20	---	---	0.892B	1.28	0.066	0.015	---	---	---	---	---	---	20
21	---	---	0.444B	0.973	0.058	0.015	---	---	---	---	---	---	21
22	---	---	0.668B	0.576	0.052	0.013	---	---	---	---	---	---	22
23	---	---	0.972B	0.415	0.047	0.011	---	---	---	---	---	---	23
24	---	---	1.26 B	0.320	0.045	0.008	---	---	---	---	---	---	24
25	---	---	1.70 B	0.241	0.041	0.009	---	---	---	---	---	---	25
26	---	---	0.676A	0.211	0.038	0.009	---	---	---	---	---	---	26
27	---	---	1.10 A	0.180	0.038	0.008	---	---	---	---	---	---	27
28	---	---	0.892A	0.166	0.035	0.007	---	---	---	---	---	---	28
29	---		0.642A	0.152	0.031	0.006	---	---	---	---	---	---	29
30	---		0.892A	0.338	0.028	0.006	---	---	---	---	---	---	30
31	---		0.559A		0.027		---	---		---	---	---	31
TOTAL	---	---	18.976	9.855	6.021	0.431	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.612	0.329	0.194	0.014	---	---	---	---	---	---	MEAN
MAX	---	---	2.53	1.42	1.17	0.025	---	---	---	---	---	---	MAX
MIN	---	---	0	0.071	0.027	0.006	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO JUN

MEAN, 0.289
MAXIMUM DAILY, 2.538 ON MAR 17
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 40 N
LONG 59 21 00 W
DRAINAGE AREA, 220 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	1 640	SEP	---
APR	851	OCT	---
MAY	520	NOV	---
JUN	37.2	DEC	---

TOTAL DISCHARGE, 3 050 dam³

GODS LAKE AT OUTLET OF GODS LAKE - STATION NO. 04AC006

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	180.013	179.844	179.736	178.612	178.590	178.938	180.136	180.192	180.052	179.878	---	---	1
2	180.003	178.840	178.728	178.588	178.585	178.951	180.142	180.193	180.047	179.871	---	---	2
3	179.994	178.845	178.727	178.592	178.589	178.983	180.148	180.183	180.042	179.863	---	---	3
4	179.989	178.848	178.714	178.597	178.595	178.984	180.157	180.168	180.016	179.855	---	---	4
5	179.985	178.840	178.699	178.594	178.610	178.995	180.158	180.169	180.015	179.848	---	---	5
6	179.978	178.831	178.699	178.589	178.614	180.003	180.163	180.185	180.023	179.838	---	---	6
7	179.968	178.823	178.682	178.582	178.612	180.007	180.182	180.193	180.007	179.834	---	---	7
8	179.959	178.813	178.684	178.584	178.620	180.020	180.171	180.187	179.993	179.830	---	---	8
9	179.951	178.802	178.681	178.572	178.625	180.025	180.171	180.177	179.986	179.828	---	---	9
10	179.947	178.805	178.675	178.583	178.638	180.028	180.169	180.175	179.981	179.825	---	---	10
11	179.947	178.805	178.667	178.581	178.654	180.049	180.172	180.170	179.983	179.815	---	---	11
12	179.945	178.801	178.669	178.580	178.674	180.057	180.171	180.174	179.965	179.829	---	---	12
13	179.937	178.797	178.667	178.586	178.695	180.068	180.167	180.161	179.951	179.804	---	---	13
14	179.927	178.790	178.683	178.551	178.713	180.079	180.168	180.146	179.946	179.801	---	---	14
15	179.920	178.780	178.684	178.565	178.727	180.078	180.169	180.165	179.945	179.810	---	---	15
16	179.916	178.771	178.684	178.546	178.743	180.087	180.169	180.152	179.947	179.804	---	---	16
17	179.915	178.773	178.656	178.544	178.780	180.087	180.160	180.148	179.948	179.800	---	---	17
18	179.910	178.777	178.647	178.548	178.777	180.102	180.184	180.139	179.946	179.795	---	---	18
19	179.904	178.771	178.644	178.548	178.783	180.108	180.171	180.125	179.942	179.795	---	---	19
20	179.899	178.763	178.636	178.541	178.809	180.114	180.174	180.126	179.938	179.751	---	---	20
21	179.891	178.759	178.632	178.544	178.819	180.126	180.175	180.127	179.936	179.784	---	---	21
22	179.880	178.756	178.638	178.555	178.824	180.114	180.174	180.122	179.934	179.774	---	---	22
23	179.874	178.748	178.639	178.560	178.842	180.121	180.174	180.119	179.928	179.778	---	---	23
24	179.880	178.748	178.628	178.571	178.857	180.127	180.178	180.111	179.924	179.778	---	---	24
25	179.878	178.742	178.627	178.568	178.871	180.129	180.183	180.088	179.918	179.778	---	---	25
26	179.867	178.741	178.622	178.583	178.885	180.134	180.186	180.089	179.912	179.773	---	---	26
27	179.863	178.746	178.623	178.580	178.902	180.128	180.184	180.087	179.905	179.768	---	---	27
28	179.863	178.742	178.628	178.583	178.909	180.122	180.183	180.082	179.899	179.761	---	---	28
29	179.859		178.613	178.581	178.909	180.128	180.184	180.088	179.892	179.758E	---	---	29
30	179.854		178.608	178.587	178.911	180.139	180.187	180.081	179.885	179.756E	---	---	30
31	179.849		178.609		178.921		180.189	180.071		179.753E		---	31
MEAN	179.921	178.789	178.661	178.568	178.744	180.057	180.172	180.144	179.959	179.805	---	---	MEAN
MAX	180.013	178.848	178.736	178.612	178.921	180.139	180.189	180.197	180.052	179.878	---	---	MAX
MIN	179.849	178.741	178.608	178.541	178.585	178.938	180.136	180.071	179.885	179.753	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 180.197 ON AUG 8
MINIMUM DAILY, 178.541 ON APR 20
MAXIMUM INSTANTANEOUS,
180.200 AT 22:50 CST ON AUG 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 49 47 N
LONG 94 05 00 W

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)
APPLY -001.750 m ADJUSTMENT TO CONVERT TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

GODS RIVER AT OUTLET OF GODS LAKE - STATION NO. 04AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	1808	1588	1438	1288	1308	181	212	222	198	172	158E	143E	
2	1788	1568	1428	1278	1328	182	213	222	198	171	154E	143E	
3	1788	1568	1428	1268	1338	185	214	222	197	170	154E	143E	
4	1778	1578	1418	1268	134	188	215	221	193	169	153E	142E	
5	1778	1588	1418	1268	136	190	215	221	193	168	153E	142E	
6	1768	1568	1408	1258	136	191	220	220	194	166	152E	142E	
7	1758	1558	1408	1248	136	191	220	222	192	166	152E	141E	
8	1748	1558	1398	1248	137	193	218	222	189	165	152E	141E	
9	1748	1548	1398	1248	138	194	218	218	188	165	151E	141E	
10	1738	1548	1388	1238	139	195	217	218	188	164	151E	140E	
11	1728	1538	1388	1238	142	196	218	218	185	163	151E	140E	
12	1718	1528	1378	1228	144	199	218	218	184	165	150E	140E	
13	1718	1528	1388	1228	147	201	217	214	183	162	150E	139E	
14	1708	1518	1388	1228	149	203	217	213	182	161	149E	139E	
15	1698	1518	1358	1218	151	202	217	215	182	162	149E	139E	
16	1698	1508	1358	1218	153	204	217	214	183	162	149E	139E	
17	1688	1508	1358	1218	155	205	218	214	183	161	148E	138E	
18	1678	1498	1348	1218	158	205	220	212	182	160	148E	138E	
19	1678	1498	1338	1218	160	207	218	210	182	160	147E	138E	
20	1668	1488	1338	1218	162	208	218	210	181	160	147E	137E	
21	1668	1478	1338	1218	164	210	218	210	181	159	147E	137E	
22	1658	1478	1328	1228	164	208	218	210	181	157	146E	137E	
23	1648	1468	1328	1228	167	209	216	209	180	158	146E	136E	
24	1648	1468	1318	1238	169	210	218	208	178	158	146E	136E	
25	1638	1458	1318	1248	171	211	220	204	178	158	145E	136E	
26	1628	1458	1308	1258	173	211	220	206	177	157	145E	136E	
27	1628	1448	1298	1268	176	210	220	205	176	157	145E	135E	
28	1618	1448	1298	1278	177	209	220	205	175	155	144E	135E	
29	1618		1298	1288	177	211	220	204	174	155E	144E	135E	
30	1608		1288	1298	177	212	221	203	173	155E	144E	134E	
31	1588		1288		179		221	201		155E		134E	
TOTAL	5 240	4 231	4 189	3 715	4 766	6 025	6 754	6 613	5 531	5 016	4 467	4 295	T
MEAN	169	151	135	124	154	201	218	213	184	162	149	139	M
MAX	180	159	143	129	179	212	221	222	198	172	159	143	M
MIN	159	144	128	121	130	181	212	201	173	155	144	134	M

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 167
MAXIMUM DAILY, 222 ON AUG 1
MINIMUM DAILY, 1218 ON APR 15
MAXIMUM INSTANTANEOUS,
223 AT 22:50 CST ON AUG 7

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 14 N
LONG 94 05 11 W
DRAINAGE AREA, 25 900 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	453 000	JUL	584 000
FEB	386 000	AUG	571 000
MAR	382 000	SEP	478 000
APR	321 000	OCT	433 000
MAY	412 000	NOV	386 000
JUN	521 000	DEC	371 000

TOTAL DISCHARGE, 5 280 000 dam³

GODS RIVER NEAR SHAMATTAWA - STATION NO. 04AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2548	2438	2208	2018	2008	734E	498	757	603	511	437B	276B
2	2538	2428	2198	2018	2008	711E	499	807	573	521	430B	273B
3	2538	2418	2188	2018	2018	686A	483	826	544	525	424B	268B
4	2538	2408	2178	2018	2048	675	488	815	527	517	418B	263B
5	2538	2398	2168	2008	2588	654	494	781	520	509	412B	259B
6	2538	2398	2168	2008	4158	636	533	733	532	502	406B	256B
7	2538	2388	2158	2008	5738	624	580	694	544	500	400B	251B
8	2538	2388	2148	2008	7728	634	617	665	586	503	395B	249B
9	2528	2378	2138	2008	9608	620	607	650	572	492	389B	244B
10	2528	2368	2138	2008	1 2808	604	586	643	574	480	384B	242B
11	2528	2358	2128	2008	---	588	577	606	586	493	378B	237B
12	2528	2358	2118	2008	---	600	556	579	555	482	373B	235B
13	2528	2348	2118	2008	---	605	532	552	542	487	367B	230B
14	2528	2338	2108	2008	---	589	512	547	526	480	362B	227B
15	2518	2328	2098	2008	---	598	500	575	510	494	356B	225B
16	2518	2318	2088	1998	---	583	489	592	498	480	349B	221B
17	2508	2308	2078	1998	---	582	478	601	488	490	344B	218B
18	2508	2298	2078	1998	---	568	473	604	479	497	339B	215B
19	2508	2288	2068	1998	---	555	482	589	471	503	334B	212B
20	2498	2278	2068	1998	---	539	494	597	481	509	329B	209B
21	2498	2268	2058	1998	---	537	486	659	449	515	324B	206B
22	2488	2258	2048	1998	---	526	490	712	448	516	320B	202B
23	2488	2258	2038	1998	---	514	484	738	453	518	315B	200B
24	2478	2258	2038	1998	---	506	508	724	485	520	310B	198B
25	2478	2248	2038	1998	---	494	584	694	470	505	305B	196B
26	2468	2238	2038	1998	---	482	617	706	463	501	300B	194B
27	2458	2228	2028	1998	---	483	652	717	484	501	296B	192B
28	2458	2218	2028	1998	---	486	673	707	455	488	291B	190B
29	2448		2028	1998	---	502	677	684	478	480	286B	188B
30	2448		2028	1988	---	500	684	649	507	450	281B	185B
1	2448		2018		---		698	631		440B		183B
TOTAL	7 745	6 498	6 478	5 988	---	17 478	17 038	20 823	15 284	15 459	10 854	6 946
MEAN	250	232	209	200	---	583	550	672	510	499	385	224
MAX	254	243	220	201	---	734	698	825	603	525	437	278
MIN	244	221	201	199	---	482	473	547	449	440	281	183

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 183B ON DEC 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 00 N
LONG 92 05 55 W
DRAINAGE AREA, 65 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	669 000	JUL	1 470 000
FEB	561 000	AUG	1 800 000
MAR	560 000	SEP	1 320 000
APR	517 000	OCT	1 340 000
MAY	---	NOV	921 000
JUN	1 510 000	DEC	800 000

GOPHER CREEK NEAR GLADSTONE - STATION NO. 05LL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.356	0.464	0.003	---	---	---	---	---	---	1
2	---	---	0 B	0.371	0.283	0.003	---	---	---	---	---	---	2
3	---	---	0 B	0.207	0.187	0.003	---	---	---	---	---	---	3
4	---	---	0 B	0.133	0.155	0.002	---	---	---	---	---	---	4
5	---	---	0 B	0.108	1.85	0.002	---	---	---	---	---	---	5
6	---	---	0 B	0.111	4.87	0.002	---	---	---	---	---	---	6
7	---	---	0 B	0.080	1.91	0.002	---	---	---	---	---	---	7
8	---	---	0 B	0.067	0.982	0.001	---	---	---	---	---	---	8
9	---	---	0 B	0.057	0.728	0.002	---	---	---	---	---	---	9
10	---	---	0 B	0.046	0.713	0.002	---	---	---	---	---	---	10
11	---	---	0 B	0.037	0.534	0.002	---	---	---	---	---	---	11
12	---	---	0 B	0.0278	0.409	0.001	---	---	---	---	---	---	12
13	---	---	0 B	0.0258	0.308	0	---	---	---	---	---	---	13
14	---	---	0 B	0.0248	0.231	0	---	---	---	---	---	---	14
15	---	---	0.0018	0.0238	0.216	0.002	---	---	---	---	---	---	15
16	---	---	0.0038	0.0318	0.180	0.002	---	---	---	---	---	---	16
17	---	---	0.0118	0.053	0.112	0.001	---	---	---	---	---	---	17
18	---	---	0.0558	0.453	0.090	0	---	---	---	---	---	---	18
19	---	---	0.0488	1.59	0.078	0	---	---	---	---	---	---	19
20	---	---	0.0428	0.498	0.066	0.002	---	---	---	---	---	---	20
21	---	---	0.0808	0.239	0.054	0.002	---	---	---	---	---	---	21
22	---	---	0.2048	0.161	0.042	0.001	---	---	---	---	---	---	22
23	---	---	0.1508	0.122	0.036	0	---	---	---	---	---	---	23
24	---	---	0.1288	0.094	0.030	0	---	---	---	---	---	---	24
25	---	---	0.0408	0.078	0.028	0	---	---	---	---	---	---	25
26	---	---	0.0248	0.067	0.021	0.013	---	---	---	---	---	---	26
27	---	---	0.0188	0.056	0.017	0.018	---	---	---	---	---	---	27
28	---	---	0.1888	0.050	0.013	0.010	---	---	---	---	---	---	28
29	---		0.4348	0.052	0.010	0.005	---	---	---	---	---	---	29
30	---		1.01 B	0.174	0.007	0.003	---	---	---	---	---	---	30
31	---		0.480		0.004		---	---		---		---	31
TOTAL	---	---	2.912	5.410	14.808	0.084	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.094	0.180	0.471	0.003	---	---	---	---	---	---	MEAN
MAX	---	---	1.01	1.59	4.87	0.018	---	---	---	---	---	---	MAX
MIN	---	---	0	0.023	0.004	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.189
MAXIMUM DAILY, 4.87 ON MAY 5
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.58 AT 01:38 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 27 N
LONG 98 58 36 W
DRAINAGE AREA, 73.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	252	SEP	---
APR	467	OCT	---
MAY	1 260	NOV	---
JUN	7.26	DEC	---

TOTAL DISCHARGE, 1 990 dam³

GOPHER CREEK NEAR VIRDEN - STATION NO. 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5708	0.082	0.051	0	0	0	0	---	---	1
2	---	---	0 B	0.405	0.080	0.052	0	0	0	0	---	---	2
3	---	---	0 B	0.343	0.159	0.040	0.001	0	0	0	---	---	3
4	---	---	0 B	0.312	0.139	0.027	0.001	0	0	0	---	---	4
5	---	---	0 B	0.255	0.226	0.024	0.040	0	0	0	---	---	5
6	---	---	0 B	0.217	0.580	0.021	0.051	0	0	0	---	---	6
7	---	---	0.0088	0.178	0.933	0.027	0.026	0	0	0	---	---	7
8	---	---	0.0208	0.118	1.24	0.018	0.018	0	0	0	---	---	8
9	---	---	0.1158	0.099	1.38	0.012	0.016	0	0	0	---	---	9
10	---	---	0.2818	0.105	1.34	0.008	0.034	0	0	0	---	---	10
11	---	---	0.4248	0.101	1.12	0.003	0.037	0	0	0	---	---	11
12	---	---	0.1188	0.105	0.878	0.001	0.029	0	0	0	---	---	12
13	---	---	0.0818	0.104	0.725	0	0.031	0	0	0	---	---	13
14	---	---	0.1628	0.107	0.545	0	0.015	0	0	0	---	---	14
15	---	---	0.2788	0.104	0.411	0.008	0.011	0	0	0	---	---	15
16	---	---	0.2768	0.115	0.332	0.005	0.010	0	0	0	---	---	16
17	---	---	0.9028	0.117	0.288	0.003	0.012	0	0	0	---	---	17
18	---	---	1.30 B	0.184	0.260	0.001	0.013	0	0	0	---	---	18
19	---	---	1.67 B	0.181	0.240	0.003	0.008	0	0	0	---	---	19
20	---	---	1.23 B	0.208	0.202	0.005	0.007	0	0	0	---	---	20
21	---	---	0.8398	0.158	0.175	0.003	0.005	0	0	0	---	---	21
22	---	---	0.7278	0.142	0.108	0	0.002	0	0	0	---	---	22
23	---	---	0.6858	0.151	0.083	0	0.002	0	0	0	---	---	23
24	---	---	0.6028	0.331	0.078	0	0	0	0	0	---	---	24
25	---	---	0.7858	0.178	0.068	0	0	0	0	0	---	---	25
26	---	---	1.16 B	0.116	0.058	0	0	0	0	0	---	---	26
27	---	---	0.7018	0.101	0.054	0	0	0	0	0	---	---	27
28	---	---	0.7738	0.112	0.048	0	0	0	0	0	---	---	28
29	---		0.7348	0.240	0.078	0	0	0	0	0	---	---	29
30	---		0.8558	0.116	0.077	0	0	0	0	0	---	---	30
31	---		0.8788		0.085		0	0		0		---	31
TOTAL	---	---	15.787	5.673	12.093	0.310	0.370	0	0	0	---	---	TOTAL
MEAN	---	---	0.509	0.189	0.390	0.010	0.012	0	0	0	---	---	MEAN
MAX	---	---	1.67	0.570	1.38	0.052	0.051	0	0	0	---	---	MAX
MIN	---	---	0	0.099	0.048	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.140
MAXIMUM DAILY, 1.67 ON MAR 19
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.218 AT 08:32 CST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 00 N
LONG 100 57 52 W
DRAINAGE AREA, 292 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	32.0
FEB	---	AUG	0
MAR	1 380	SEP	0
APR	490	OCT	0
MAY	1 040	NOV	---
JUN	26.8	DEC	---

TOTAL DISCHARGE, 2 950 dam³

GRACE LAKE NEAR THE PAS - STATION NO. 05XJ002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	260.588	260.453	260.412	260.478	260.407	---	---	---	1
2	---	---	---	---	260.583	260.451	260.408	260.476	260.402	260.293A	---	---	2
3	---	---	260.523A	---	260.578	260.438	260.402	260.473	260.396	260.285	---	---	3
4	---	---	---	---	260.574	260.433	260.398	260.475	260.396	260.278	---	---	4
5	---	---	---	---	260.569	260.430	260.405	260.472	260.393	260.276	---	---	5
6	---	---	---	---	260.564	260.427	260.403	260.469	260.387	260.274	---	---	6
7	---	---	---	260.576A	260.557	260.417	260.405	260.460	260.386	260.272	---	---	7
8	---	---	---	---	260.550	260.417	260.408	260.459	260.389	260.258	---	---	8
9	---	---	---	---	260.546	260.418	260.405	260.471	260.380	260.257A	---	---	9
10	---	---	260.513A	---	260.549	260.420	260.405	260.480	260.374	---	---	---	10
11	---	---	---	---	260.545	260.420	260.417	260.458	260.371	---	---	---	11
12	---	---	---	---	260.541	260.429	260.437	260.449	260.384	---	---	---	12
13	---	---	---	---	260.538	260.429	260.433	260.440	260.354	---	---	---	13
14	---	---	---	260.571A	260.535	260.423	260.428	260.434	260.351	---	---	---	14
15	---	---	---	---	260.537	260.426	260.425	260.438	260.352	---	---	---	15
16	---	---	---	---	260.536	260.424	260.428	260.430	260.351	---	---	---	16
17	---	---	260.532A	---	260.541	260.427	260.429	260.430	260.348	---	---	---	17
18	---	---	---	---	260.546	260.428	260.411	260.431	260.348A	---	---	---	18
19	---	---	---	---	260.547	260.434	260.413	260.425	---	---	---	---	19
20	---	---	---	---	260.550	260.430	260.407	260.412	---	---	---	---	20
21	---	---	---	260.551A	260.540	260.424	260.388	260.416	---	---	---	---	21
22	---	---	---	---	260.527	260.423	260.393	260.415	---	---	---	---	22
23	---	---	---	---	260.512	260.431	260.391	260.413A	---	---	---	---	23
24	---	---	260.506A	---	260.501	260.430	260.395	260.413E	---	---	---	---	24
25	---	---	---	260.574A	260.493	260.435	260.400	260.412E	---	---	---	---	25
26	---	---	---	260.575	260.484	260.428	260.400	260.412A	---	---	---	---	26
27	---	---	---	260.575	260.477	260.419	260.407	260.408	---	---	---	---	27
28	---	---	---	260.585	260.477	260.418	260.454A	260.407	---	260.163A	---	---	28
29	---		---	260.594	260.476	260.418	260.459A	260.408	---	260.161	---	---	29
30	---		---	260.594	260.465	260.413	260.482A	260.408	---	260.157	---	---	30
31	---		260.564A		260.457		260.481A	260.405		260.163A		---	31
MEAN	---	---	---	---	260.532	260.427	260.417	260.437	---	---	---	---	MEAN
MAX	---	---	---	---	260.589	260.453	260.482	260.479	---	---	---	---	MAX
MIN	---	---	---	---	260.457	260.413	260.391	260.405	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 260.594 ON APR 29

MAXIMUM INSTANTANEOUS,
260.598 AT 13:31 CST ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 00 N
LONG 101 12 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1955

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

GRAHAM CREEK NEAR MELITA - STATION NO. 05NF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.018	0.012	0.005	0	0.157	0	0	---	---	1
2	---	---	0 B	0.016	0.013	0.002	0	0.033	0	0	---	---	2
3	---	---	0 B	0.022	0.011	0.002	0	0.016	0	0	---	---	3
4	---	---	0 B	0.013	0.016	0.001	0	0.058	0	0	---	---	4
5	---	---	0 B	0.013	0.108	0	0	0.047	0	0	---	---	5
6	---	---	0 B	0.010	0.732	0	0	0.010	0	0	---	---	6
7	---	---	0 B	0.008	0.808	0	0	0.030	0	0	---	---	7
8	---	---	0 B	0.006	0.457	0	0	0.026	0	0	---	---	8
9	---	---	0 B	0.003	0.458	0	0	0.020	0	0	---	---	9
10	---	---	0 B	0.002	0.443	0	0	0.008	0	0	---	---	10
11	---	---	0 B	0.003	0.372	0	0	0.007	0	0	---	---	11
12	---	---	0 B	0.002	0.288	0	0	0.004	0	0	---	---	12
13	---	---	0 B	0.002	0.184	0	0	0.003	0	0	---	---	13
14	---	---	0.004B	0.002	0.165	0	0	0.003	0	0	---	---	14
15	---	---	0.006B	0.006	0.147	0	0	0.002	0	0	---	---	15
16	---	---	0.005B	0.004	0.105	0	0	0	0	0	---	---	16
17	---	---	0.035B	0.005	0.126	0	0.002	0	0	0	---	---	17
18	---	---	0.045B	0.034	0.169	0	0.001	0	0	0	---	---	18
19	---	---	0.058B	0.031	0.158	0	0	0	0	0	---	---	19
20	---	---	0.032B	0.018	0.121	0	0	0	0	0	---	---	20
21	---	---	0.038B	0.050	0.072	0	0	0	0	0	---	---	21
22	---	---	0.041B	0.092	0.048	0	0	0	0	0	---	---	22
23	---	---	0.038	0.080	0.046	0	0	0	0	0	---	---	23
24	---	---	0.021	0.062	0.034	0	0	0	0	0	---	---	24
25	---	---	0.023	0.056	0.028	0	0	0	0	0.008	---	---	25
26	---	---	0.023	0.043	0.014	0	0	0	0	0.002	---	---	26
27	---	---	0.013	0.043	0.008	0	0	0	0	0	---	---	27
28	---	---	0.009	0.030	0.002	0	0.003	0	0	0	---	---	28
29	---		0.024	0.024	0.001	0	0.171	0	0	0	---	---	29
30	---		0.022	0.015	0.005	0	0.383	0	0	0	---	---	30
31	---		0.018		0.012		0.267	0		0		---	31
TOTAL	---	---	0.457	0.717	4.974	0.010	0.827	0.437	0	0.008	---	---	TOTAL
MEAN	---	---	0.015	0.024	0.160	0	0.027	0.014	0	0	---	---	MEAN
MAX	---	---	0.058	0.092	0.732	0.005	0.383	0.157	0	0.008	---	---	MAX
MIN	---	---	0	0.002	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.030
MAXIMUM DAILY, 0.732 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.898 AT 04:22 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 100 55 45 W
DRAINAGE AREA, 734 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	71.5
FEB	---	AUG	37.8
MAR	39.5	SEP	0
APR	61.9	OCT	0.69
MAY	430	NOV	---
JUN	0.86	DEC	---

TOTAL DISCHARGE, 842 dam³

GRANVILLE LAKE AT PICKEREL NARROWS - STATION NO. 05EB002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	259.504	259.628	259.713	259.692	259.783	260.385	260.381	260.387	260.313	259.948	259.757	259.757	1
2	259.507	259.634	259.716	259.686	259.791	260.400	260.358	260.388	260.287	259.936	259.788	259.758	2
3	259.512	259.638	259.714	259.687	259.800	260.406	260.350	260.385	260.295	259.917	259.788	259.756	3
4	259.518	259.643	259.715	259.687	259.808	260.412	260.342	260.389	260.287	259.913	259.773	259.756	4
5	259.522	259.646	259.716	259.685	259.817	260.417	260.351	260.394	260.286	259.893	259.775	259.759	5
6	259.522	259.647	259.714	259.684	259.828	260.421	260.346	260.405	260.288	259.888	259.774	259.781	6
7	259.530	259.648	259.714	259.678	259.837	260.426	260.357	260.413	260.245	259.857	259.772	259.785	7
8	259.534	259.652	259.718	259.678	259.846	260.428	260.359	260.416	260.228	259.844	259.787	259.774	8
9	259.537	259.654	259.718	259.678	259.857	260.435	260.357	260.404	260.214	259.839	259.784	259.773	9
10	259.544	259.657	259.716	259.687	259.876	260.433	260.354	260.405	260.207	259.812	259.763	259.777	10
11	259.548	259.657	259.715	259.710	259.891	260.455	260.354	260.408	260.193	259.827	259.781	259.780	11
12	259.553	259.661	259.715	259.714	259.921	260.474	260.348	260.414	260.173	259.818	259.781	259.781	12
13	259.559	259.662	259.717	259.713	259.936	260.470	260.340	260.436	260.161	259.821	259.781	259.782	13
14	259.558	259.666	259.715	259.713	259.968	260.465	260.332	260.440	260.154	259.808	259.758	259.785	14
15	259.585	259.685	259.715	259.712	260.010	260.472	260.329	260.447	260.137	259.808	259.755	259.788	15
16	259.589	259.687	259.714	259.714	260.046	260.474	260.325	260.426	260.125	259.804	259.754	259.788	16
17	259.571	259.670	259.713	259.715	260.081	260.476	260.314	260.430	260.120	259.802	259.753	259.789	17
18	259.571	259.670	259.710	259.714	260.119	260.477	260.320	260.438	260.102	259.801	259.752	259.792	18
19	259.575	259.672	259.708	259.716	260.154	260.482	260.322	260.419	260.086	259.790	259.750	259.794	19
20	259.578	259.676	259.706	259.711	260.181	260.485	260.315	260.415	260.079	259.784	259.751	259.796	20
21	259.579	259.682	259.711	259.712	260.207	260.482	260.300	260.415	260.067	259.781	259.749	259.798	21
22	259.581	259.684	259.710	259.715	260.234	260.463	260.289	260.414	260.058	259.788	259.750	259.802	22
23	259.585	259.685	259.707	259.719	260.259	260.446	260.328	260.406	260.046	259.783	259.754	259.804	23
24	259.591	259.689	259.705	259.719	260.278	260.434	260.334	260.384	260.037	259.784	259.757	259.807	24
25	259.594	259.697	259.703	259.725	260.298	260.427	260.330	260.374	260.026	259.789	259.756	259.813	25
26	259.595	259.705	259.705	259.731	260.313	260.427	260.340	260.373	260.015	259.781	259.758	259.819	26
27	259.605	259.709	259.702	259.736	260.330	260.415	260.349	260.370	260.005	259.784	259.756	259.822	27
28	259.607	259.713	259.703	259.745	260.345	260.410	260.353	260.365	259.996	259.759	259.753	259.823	28
29	259.611		259.701	259.767	260.359	260.396	260.355	260.360	259.986	259.766	259.754	259.827	29
30	259.615		259.700	259.778	260.366	260.391	260.364	260.352	259.962	259.783	259.756	259.836	30
31	259.624		259.698		260.382		260.368	260.316		259.750		259.836	31
MEAN	259.563	259.667	259.711	259.711	260.062	260.438	260.341	260.398	260.139	259.821	259.759	259.790	MEAN
MAX	259.624	259.713	259.719	259.778	260.382	260.482	260.381	260.447	260.313	259.948	259.775	259.836	MAX
MIN	259.504	259.628	259.698	259.678	259.783	260.385	260.298	260.316	259.962	259.750	259.749	259.756	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 259.952
MAXIMUM DAILY, 260.482 ON JUN 19
MINIMUM DAILY, 259.504 ON JAN 1
MAXIMUM INSTANTANEOUS,
260.487 AT 19:00 CST ON JUN 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 40 N
LONG 100 35 00 W

REGULATED SINCE 1928

DRAINAGE AREA,
244 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

GRASS RIVER ABOVE STANDING STONE FALLS - STATION NO. 05TD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	53.5E	46.3E	37.7E	31.8A	35.4	98.6	116	157	153	130	103	79.4	1
2	53.2E	46.0E	37.4E	31.1	35.8	98.2	118	158	153	129	101	79.1	2
3	53.0E	45.8E	37.1E	30.6	35.7	98.2	116	157	152	129	100	78.5	3
4	52.9E	45.5E	36.8E	30.7	36.5	101	118	156	151	127	99.6	79.0	4
5	52.8E	45.3E	36.6E	30.6	37.3	105	115	157	153	127	99.8	78.7	5
6	52.8E	45.0E	36.3E	30.7	38.1	103	132	158	153	127	98.9	78.2	6
7	52.3E	44.7E	36.1E	31.0	39.0	102	133	160	153	126	97.6	77.0	7
8	52.1E	44.5E	35.7E	30.9	40.1	104	134	159	150	125	96.7	76.6	8
9	51.9E	44.2E	35.5E	30.8	40.9	97.9	136	158	150	124	96.3	76.7	9
10	51.7E	43.9E	35.2E	30.8	44.1	101	137	159	148	122	95.5	76.5	10
11	51.7E	43.6E	35.0E	30.7	47.4	102	137	159	148	121	94.6	75.8	11
12	51.5E	43.3E	34.8E	31.8	52.1	105	139	160	148	122	94.3	75.2	12
13	51.3A	43.0E	34.6E	31.8	56.7	108	140	157	148	116	93.0	74.7	13
14	50.9E	42.8E	34.4E	31.7	62.2	112	141	158	146	117	92.3	74.1	14
15	50.7E	42.3E	34.2E	31.4	66.9	110	142	160	146	117	91.3	73.4	15
16	50.4E	42.0E	34.0E	31.2	71.4	110	142	163	145	116	90.1	73.0	16
17	50.3E	41.7E	33.8E	30.8	76.2	111	141	162	144	116	89.5	72.3	17
18	50.0E	41.5E	33.5E	31.2	80.0	111	144	161	143	113	89.0	71.5	18
19	49.7E	41.1E	33.3E	31.5	82.7	110	145	161	144	113	87.7	70.8	19
20	49.4E	40.8E	33.1E	31.5	85.2	114	148	161	141	113	86.6	70.4	20
21	49.2E	40.4E	32.9E	31.4	87.1	113	149	161	140	111	86.4	70.2	21
22	49.0E	40.1E	32.8E	31.5	88.6	110	147	160	139	110	86.1	69.9	22
23	48.7E	39.8E	32.8E	31.4	89.4	114	147	160	138	110	85.0	68.4	23
24	48.5E	39.5E	32.4E	32.6	90.7	115	148	161	136	109	84.4	68.3	24
25	48.2E	39.1E	32.2E	32.4	92.7	115	151	157	127	103	84.4	67.3	25
26	47.9E	38.9E	32.0E	32.6	93.8	116	151	158	127	106	83.5	67.1	26
27	47.8E	38.5E	31.8E	32.8	95.9	118	152	157	131	105	82.7	66.7	27
28	47.5E	38.1E	31.6E	32.7	94.9	116	151	157	133	107	81.9	66.1	28
29	47.2E		31.5E	34.7	92.5	118	153	155	132	107	80.8	65.6	29
30	46.9E		31.4E	34.8	90.8	119	153	155	133	104	79.8	65.0	30
31	46.6E		31.7E		93.5		157	156		103		64.6	31
TOTAL	1 559.4	1 187.5	1 058.0	949.3	2 075.6	3 255.9	4 334	4 918	4 305	3 805	2 731.8	2 250.1	TOTAL
MEAN	50.3	42.4	34.1	31.6	67.0	109	140	159	144	116	91.1	72.6	MEAN
MAX	53.5	46.3	37.7	34.8	95.9	119	157	163	153	130	103	79.4	MAX
MIN	46.6	38.1	31.4	30.6	35.4	97.9	115	155	127	103	79.8	64.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1986

MEAN, 88.3
MAXIMUM DAILY, 163 ON AUG 16
MINIMUM DAILY, 30.6 ON APR 3
MAXIMUM INSTANTANEOUS,
166 AT 18:25 CST ON AUG 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 35 N
LONG 97 00 00 W
DRAINAGE AREA, 15 400 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	135 000	JUL	374 000
FEB	103 000	AUG	425 000
MAR	91 400	SEP	372 000
APR	82 000	OCT	311 000
MAY	179 000	NOV	236 000
JUN	281 000	DEC	194 000

TOTAL DISCHARGE, 2 780 000 dam³

GRASS RIVER AT WEKUSKO FALLS - STATION NO. 05TB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13.1	12.3E	11.0E	10.8	12.1	18.3	19.8	24.1	17.4	13.8	12.1	10.8
2	12.9	12.3E	11.0E	10.3	12.2	18.7	20.1	24.4	17.4	13.4	11.8	10.8
3	13.0	12.2E	11.0E	10.3	12.1	18.4	20.3	23.7	17.2	13.5	11.8	10.7
4	12.0	12.2E	11.0E	10.3	12.2	18.7	20.5	23.2	16.7	13.5	11.9	10.7
5	12.8	12.1E	11.0E	10.3	12.3	19.3	20.1	23.0	16.8	13.5	12.0	10.7
6	12.7	12.0E	11.0E	10.3	12.5	19.0	21.0	23.3	16.8	13.4	11.7	10.6
7	13.0	12.0E	11.0E	10.3	12.9	18.8	21.6	23.7	16.3	13.5	11.4	10.2
8	13.3	11.9E	11.0E	10.2	12.0	18.8	21.3	23.6	16.0	13.4	11.0	10.4
9	13.6	11.9E	11.0E	10.2	12.0	19.2	21.3	22.8	15.6	13.5	11.3	10.4
10	13.5	11.8E	11.0E	9.65	13.0	19.1	21.1	23.2	15.2	13.2	11.2	10.5
11	13.5	11.8E	11.0A	9.98	13.9	20.1	20.8	23.4	15.1	13.0	11.0	10.5
12	13.4	11.7A	10.9	10.5	14.6	21.4	21.2	23.1	15.1	13.4	11.0	10.2
13	13.5	11.7	10.9	10.5	14.7	22.1	21.1	22.1	15.1	12.8	10.8	10.4
14	13.4	11.6	11.1	10.5	16.2	22.4	21.0	22.4	15.0	12.7	11.0	10.6 A
15	13.3A	11.6	11.1	10.5	16.3	21.9	21.3	23.0	14.8	12.8	10.6	10.7 E
16	13.2E	11.2	11.0	10.4	15.6	22.3	20.9	22.5	14.8	12.8	10.8	10.8 A
17	13.2E	11.3	11.2	10.4	16.2	22.2	20.7	22.4	14.8	12.8	10.8	10.9 E
18	13.1E	11.2	10.8	10.6	16.5	22.0	21.5	22.0	14.5	12.9	10.7	11.0 A
19	13.1E	11.0A	10.4	10.5	16.7	22.0	20.9	21.1	14.5	12.5	10.6	10.9 E
20	13.0E	11.0E	10.4	10.3	16.9	22.7	21.1	20.6	14.3	12.6	10.5	10.8 E
21	13.0E	11.0E	10.4	10.6	16.9	22.5	20.8	20.4	14.0	12.5	10.8	10.7 E
22	12.9E	11.0E	10.4	10.5	17.0	21.4	20.6	20.1	14.1	12.2	10.9	10.6 E
23	12.8E	11.0E	10.2	10.5	17.2	21.7	20.3	20.0	14.1	12.3	10.7	10.5 E
24	12.8E	11.0E	10.3	11.1	17.3	21.5	20.5	19.9	13.7	12.4	11.1	10.4 A
25	12.7E	11.0E	10.3	11.2	17.7	21.6	20.9	18.8	13.3	12.0	11.1	10.3 E
26	12.7E	11.0E	10.3	11.2	18.0	21.2	22.0	18.7	12.9	11.9	10.6	10.3 E
27	12.6E	11.0E	10.6	11.0	18.2	21.4	21.6	18.5	13.3	12.0	10.6	10.2 E
28	12.6E	11.0E	10.7	11.2	18.0	20.7	21.4	18.4	13.5	11.9	10.6	10.2 E
29	12.5E		10.6	12.0	17.5	20.8	22.7	18.3	13.7	11.9	10.6	10.1 E
30	12.4E		10.7	11.9	16.9	20.8	22.8	18.1	13.0	12.0	10.9	10.0 E
31	12.4E		10.5		17.5		23.6	17.8		12.2		9.98A
TOTAL	403.3	322.7	333.8	317.61	473.0	621.7	655.7	666.5	448.8	385.3	332.6	325.66
MEAN	13.0	11.5	10.8	10.6	15.3	20.7	21.2	21.5	15.0	12.8	11.1	10.5
MAX	13.6	12.3	11.2	12.0	18.2	22.7	23.6	24.4	17.4	13.6	12.1	11.0
MIN	12.4	11.0	10.2	9.65	12.1	18.3	19.8	17.8	12.3	11.9	10.5	9.98

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.5
MAXIMUM DAILY, 24.4 ON AUG 2
MINIMUM DAILY, 9.65 ON APR 10
MAXIMUM INSTANTANEOUS,
24.8 AT 17:02 CST ON AUG 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 20 N
LONG 99 58 10 W
DRAINAGE AREA, 3 280 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	34 800	JUL	56 700
FEB	27 900	AUG	57 600
MAR	28 800	SEP	38 800
APR	27 400	OCT	34 200
MAY	40 900	NOV	28 700
JUN	53 700	DEC	28 200

TOTAL DISCHARGE, 488 000 dam³

GRASSMERE DRAIN NEAR MIDDLECHURCH - STATION NO. 05OJ017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	29.6	12.7	0.073E	0.029	0.330	0.036E	0.078	---	---
2	---	---	0 B	22.4	9.31	0.072E	0.034	0.521	0.037E	0.069	---	---
3	---	---	0 B	15.7	5.67	0.071E	0.035	0.510	0.036E	0.060	---	---
4	---	---	0 B	11.5	3.42	0.071E	0.057	0.420	0.036E	0.055	---	---
5	---	---	0 B	8.48	2.13	0.070E	0.063	0.272	0.034E	0.051	---	---
6	---	---	0 B	6.31	2.21	0.070E	0.052	0.175	0.034E	0.049	---	---
7	---	---	0 B	4.61	2.02	0.069E	0.038	0.145	0.033E	0.051	---	---
8	---	---	0 B	3.28	1.89	0.069E	0.126	0.124	0.032E	0.049	---	---
9	---	---	0 B	2.03	1.61	0.068E	0.100	0.078	0.032E	0.049	---	---
10	---	---	0 B	1.31 E	1.52 A	0.068E	0.076	0.065	0.031E	0.051	---	---
11	---	---	0 B	0.884E	1.44 E	0.071A	0.258	0.070	0.030E	0.048	---	---
12	---	---	0 B	0.690E	1.66 A	0.078	4.46	0.057	0.030E	0.049	---	---
13	---	---	0 B	0.550E	2.84	0.070	5.97	0.052	0.029E	0.046	---	---
14	---	---	0 B	0.417E	1.81	0.066	4.13	0.050	0.028E	0.049	---	---
15	---	---	0 B	0.330E	1.42 E	0.070	2.96	0.048	0.028E	0.047	---	---
16	---	---	0 B	0.280E	0.887E	0.071	2.25	0.045	0.028A	0.049	---	---
17	---	---	0 B	0.225E	0.714E	0.062	1.86	0.043	0.027	0.045	---	---
18	---	---	0 B	0.193E	0.550E	0.053	1.52	0.048	0.027	0.047	---	---
19	---	---	0 B	0.205E	0.372E	0.069	1.24	0.044	0.030	0.049	---	---
20	---	---	0 B	0.133E	0.246E	0.063	1.01	0.029	0.034	0.047	---	---
21	---	---	0 B	0.643E	0.180E	0.056	0.789	0.037	0.033	0.046	---	---
22	---	---	0 B	0.372E	0.145E	0.049	0.900	0.041	0.034	0.048	---	---
23	---	---	0 B	0.267E	0.114E	0.035	0.452	0.040	0.030	0.047	---	---
24	---	---	0 B	0.180E	0.102E	0.029	0.341	0.043	0.027	0.047	---	---
25	---	---	0 B	0.145E	0.088E	0.032	0.230	0.045	0.052	0.048	---	---
26	---	---	0 B	0.114E	0.090E	0.005	0.188	0.042	0.207	0.047	---	---
27	---	---	0.021B	0.108E	0.086E	0.050	0.201	0.038	0.188	0.048A	---	---
28	---	---	5.94 B	0.102E	0.083E	0.038	0.410	0.036	0.110	0.048E	---	---
29	---		17.1 B	0.096E	0.080E	0.028	1.18	0.038A	0.102	0.048E	---	---
30	---		25.9 B	2.35 A	0.077E	0.027	1.05	0.038E	0.087	0.048E	---	---
31	---		29.6 B		0.076E		0.580	0.038E		0.044E		---
TOTAL	---	---	78.561	114.313	55.436	1.774	32.322	3.560	1.789	1.558	---	---
MEAN	---	---	2.53	3.81	1.82	0.059	1.04	0.115	0.060	0.050	---	---
MAX	---	---	29.6	29.6	12.7	0.078	5.97	0.521	0.207	0.078	---	---
MIN	---	---	0	0.096	0.076	0.027	0.029	0.036	0.028	0.044	---	---

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.18
MAXIMUM DAILY, 29.60 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
31.6 AT 05:03 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 06 N
LONG 97 07 01 W
DRAINAGE AREA, 471 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 790
FEB	---	AUG	311
MAR	6 790	SEP	152
APR	9 880	OCT	135
MAY	4 880	NOV	---
JUN	153	DEC	---

TOTAL DISCHARGE, 25 100 dam³

GUNISAO RIVER ABOVE DIAMOND RAPIDS - STATION NO. 05UA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.860	4.010	3.200	3.260	38.0	50.3	25.1	16.1	9.72	7.07	7.270	1.880	1
2	5.510	3.970	3.180	3.400	40.8	48.3	24.6	16.0	9.40	7.07	6.600	1.900	2
3	5.470	3.930	3.180	3.820	43.1	46.7	24.4	15.7	9.26	6.86	6.220	1.900	3
4	5.360	3.900	3.130	3.900	45.6	44.7	24.3	15.4	9.42	7.18	5.700	1.900	4
5	5.300	3.860	3.100	4.060	49.0	42.9	23.8	15.0	9.22	7.05	5.380	1.860	5
6	5.300	3.820	3.100	4.410	50.3	41.5	26.5	14.8	9.21	7.63	4.930	1.860	6
7	5.210	3.760	3.060	4.700	49.8	41.1	24.3	15.8	9.27	8.23	4.550	1.830	7
8	5.130	3.760	3.060	5.170	49.2	39.3	23.4	17.4	8.51	8.41	4.300	1.830	8
9	5.080	3.720	3.020	5.880	48.0	36.2	22.5	18.0	8.22	8.37	3.970	1.810	9
10	5.040	3.700	3.030	6.410	50.7	38.5	21.7	18.2	8.23	8.73	3.760	1.810	10
11	5.000	3.660	3.020	7.260	51.6	38.2	20.6	17.8	8.07	9.33	3.530	1.810	11
12	4.960	3.620	3.030	8.210	53.0	40.5	20.0	17.4	8.00	9.70	3.260	1.800	12
13	4.920	3.560	3.000	9.430	56.7	41.2	19.2	16.8	7.87	9.75	3.100	1.800	13
14	4.850	3.560	2.980	10.5 B	60.6	39.5	18.3	16.7	7.58	9.81	2.900	1.800	14
15	4.810	3.520	2.940	12.3 B	63.4	37.9	18.6	16.0	7.17	10.0	2.750	1.800	15
16	4.740	3.530	2.960	14.8 B	65.1	37.1	18.0	16.0	7.08	10.1	2.660	1.860	16
17	4.700	3.460	2.980	15.4	68.8	35.6	17.7	15.5	7.06	10.3	2.530	1.860	17
18	4.660	3.460	2.960	18.8	72.8	34.7	17.3	15.6	7.02	10.3	2.420	1.860	18
19	4.630	3.420	2.980	21.2	74.9	34.0	16.0	15.1	6.67	10.1	2.370	1.860	19
20	4.550	3.380	2.930	25.1	75.0	32.7	15.8	14.7	6.75	10.2	2.310	1.860	20
21	4.520	3.360	2.930	27.9	73.7	30.8	15.6	14.7	6.52	10.1	2.230	1.860	21
22	4.460	3.360	2.930	28.8	72.7	29.5	15.4	13.6	6.52	10.1	2.170	1.860	22
23	4.440	3.330	2.930	30.9	72.0	29.0	15.4	13.0	6.44	9.78	2.120	1.860	23
24	4.370	3.300	2.930	33.3	70.6	28.5	16.0	12.4	6.37	9.87	2.080	1.840	24
25	4.330	3.300	2.930	34.7	67.7	30.9	16.0	12.1	6.31	9.83	2.060	1.840	25
26	4.300	3.260	2.900	35.4	65.0	31.4	15.8	11.7	6.42	9.62	2.060	1.840	26
27	4.260	3.230	2.960	35.7	62.0	30.5	15.6	11.3	6.58	9.57	2.040	1.840	27
28	4.220	3.200	3.000	35.7	60.3	29.3	14.9	11.1	6.50	9.43	2.040	1.840	28
29	4.180		3.060	36.0	57.4	27.9	15.1	11.0	6.85	9.12	2.040	1.820	29
30	4.150		3.180	37.1	54.5	25.7	15.7	10.7	7.01	8.83	2.010	1.820	30
31	4.040		3.230		52.2		16.4	10.4		9.050		1.820	31
TOTAL	148.25	100.06	93.74	522.00	1 818.2	1 086.6	592.6	454.7	229.03	280.80	101.44	58.48	TOTAL
MEAN	4.78	3.57	3.02	17.4	58.7	36.6	19.1	14.7	7.66	9.06	3.38	1.83	MEAN
MAX	5.84	4.01	3.22	37.1	75.0	50.3	25.9	18.2	9.72	10.3	7.27	1.88	MAX
MIN	4.04	3.20	2.90	3.26	38.0	25.7	14.9	10.4	6.31	6.88	2.01	1.82	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.1
MAXIMUM DAILY, 75.0 ON MAY 20
MINIMUM DAILY, 1.820 ON DEC 29
MAXIMUM INSTANTANEOUS,
76.6 ON MAY 20

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 10 N
LONG 97 40 20 W
DRAINAGE AREA, 4 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	12 800	JUL	51 200
FEB	8 650	AUG	39 300
MAR	8 100	SEP	19 800
APR	45 100	OCT	24 200
MAY	157 000	NOV	8 780
JUN	84 800	DEC	5 000

TOTAL DISCHARGE, 475 000 dam³

HAYES RIVER BELOW GODS RIVER - STATION NO. 04AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1983

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3670	3140	2890	2760	2760	1 350E	883	1 100E	9800E	761	527	3800	1
2	3660	3130	2890	2760	2760	1 280E	859	1 140E	9350E	764	5190	3760	2
3	3630	3110	2870	2750	2770	1 250A	856	1 180E	9100E	760	5140	3720	3
4	3610	3100	2870	2750	2810	1 220	854	1 230E	8900E	777	5090	3690	4
5	3580	3090	2860	2750	3030	1 190	858	1 200E	8800E	774	5010	3670	5
6	3560	3080	2850	2750	5640	1 150	881	1 170E	8850E	774	4960	3630	6
7	3540	3070	2850	2750	9480	1 120	938	1 140E	9000E	775	4920	3610	7
8	3520	3060	2840	2750	1 4200	1 110	1 010	1 110E	9100E	771	4840	3580	8
9	3500	3040	2830	2750	1 9700	1 110	1 020	1 090E	9200E	762	4780	3540	9
10	3480	3030	2820	2750	2 7000	1 080	1 020	1 050E	9350E	746	4740	3520	10
11	3450	3020	2820	2750	---	1 070	1 000	1 030E	9200E	732	4700	3500	11
12	3440	3020	2810	2750	---	1 070	975	995E	9050E	725	4650	3450	12
13	3420	3010	2810	2750	---	1 080	941	970E	8900E	740	4600	3430	13
14	3420	3010	2800	2750	---	1 070	908	940E	8700E	734	4550	3410	14
15	3380	3000	2790	2750	---	1 070	879	900E	868A	736	4500	3390	15
16	3370	2990	2780	2750	---	1 060	889	910E	853	734	4450	3370	16
17	3360	2980	2780	2750	---	1 040	861	940E	832	728	4400	3350	17
18	3350	2970	2780	2750	---	1 020	870	985E	813	730	4380	3330	18
19	3330	2970	2780	2750	---	1 010	905	990E	785	732	4310	3300	19
20	3320	2960	2780	2750	---	985	930	950E	770	729	4280	3280	20
21	3300	2950	2780	2750	---	966	942A	1 020E	783	727	4220	3260	21
22	3280	2950	2780	2750	---	961	930E	1 080E	756	725	4170	3240	22
23	3270	2940	2780	2750	---	926	926E	1 100E	763	722	4120	3220	23
24	3260	2930	2770	2750	---	906	934E	1 080E	777	719	4070	3200	24
25	3240	2930	2770	2750	---	885	945E	1 060E	780	713	4030	3170	25
26	3230	2920	2770	2760	---	884	970E	1 070E	784	686	3980	3150	26
27	3210	2910	2770	2760	---	876	1 010E	1 080E	762	683	3960	3130	27
28	3200	2900	2770	2760	---	879	1 040E	1 050E	765	684	3910	3120	28
29	3190		2770	2760	---	874	1 080E	1 030E	762	625	3870	3110	29
30	3170		2760	2760	---	870	1 080E	1 000E	772	640	3830	3080	30
31	3160		2760		---		1 090E	990E		580		3070	31
TOTAL	10 510	8 422	8 703	8 252	---	31 370	29 253	32 600	25 331	22 584	13 485	10 500	TOTAL
MEAN	339	301	281	275	---	1 050	944	1 090	844	729	450	339	MEAN
MAX	367	314	289	276	---	1 350	1 090	1 230	980	784	527	380	MAX
MIN	315	290	276	275	---	870	854	900	765	580	363	307	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 2760 ON APR 3

SUMMARY FOR THE YEAR 1983

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 26 55 N
LONG 92 47 10 W
DRAINAGE AREA, 103 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	908 000	JUL	2 530 000
FEB	728 000	AUG	2 810 000
MAR	752 000	SEP	2 190 000
APR	713 000	OCT	1 950 000
MAY	---	NOV	1 170 000
JUN	2 710 000	DEC	906 000

HAYES RIVER BELOW TROUT FALLS - STATION NO. 04AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	39.10	36.80	35.00	33.50	44.80	151	118	90.4	74.8	90.0	48.60	33.10
2	39.00	36.80	35.00	33.40	46.40	150	117	91.8	75.0	90.2	48.30	33.00
3	39.00	36.70	34.90	33.30	48.30	150	118	90.8	75.4	88.6	47.80	32.40
4	38.80	36.70	34.80	33.30	50.0	148	118	87.8	74.7	89.8	47.30	32.20
5	38.80	36.60	34.80	33.20	51.4	146	111	88.0	75.1	88.0	46.70	31.70
6	38.70	36.60	34.80	33.10	53.8	147	128	87.3	76.4	88.0	46.10	31.40
7	38.70	36.40	34.70	33.10	56.7	150	126	88.1	78.7	88.0	45.20	30.80
8	38.60	36.40	34.70	33.10	60.3	165	118	90.4	76.2	87.6	44.80	30.60
9	38.60	36.30	34.60	33.10	62.3	163	116	88.0	76.2	86.8	44.00	30.30
10	38.50	36.20	34.60	33.00	65.8	157	114	86.6	72.7	86.6	43.30	30.00
11	38.40	36.10	34.50	33.10	71.2	160	112	89.8	72.0	88.0	42.70	29.80
12	38.30	36.10	34.50	33.10	75.8	163	111	88.8	71.6	87.0	42.00	29.20
13	38.20	36.00	34.40	33.10	87.1	163	106	85.8	71.7	88.6	41.40	29.00
14	38.10	35.90	34.30	33.10	93.6	165	107	83.1	71.4	82.6	40.80	28.70
15	38.00	35.90	34.20	33.10	98.5	161	100	83.5	71.1	84.2	40.10	28.30
16	38.00	35.80	34.20	33.10	104	138	108	87.0	71.0	83.1	39.80	28.00
17	37.90	35.60	34.10	33.10	118	130	104	87.2	70.8A	83.7	39.10	27.70
18	37.80	35.80	34.10	33.10	121	127	107	87.4	67.2	84.6A	38.80	27.40
19	37.80	35.70	34.00	33.10	125	133	106	84.8	68.5	84.0E	36.00	27.10
20	37.70	35.60	34.00	33.10	132	134	102	66.8	66.7	83.8E	37.70	26.80
21	37.60	35.50	33.90	33.10	137	133	100	84.2	68.5	63.2E	37.10	26.40
22	37.60	35.40	33.90	33.10	141	131	101	83.8	67.3	63.0E	36.70	26.20
23	37.50	35.40	33.80	33.30	146	128	98.2	83.2	66.1	62.8E	36.30	25.80
24	37.50	35.40	33.80	33.60	147	130	97.4	82.7	66.7	62.4E	35.90	25.80
25	37.40	35.30	33.80	34.80	146	128	96.7	83.3	60.2	61.8E	35.60	25.30
26	37.30	35.20	33.80	35.80	151	128	97.0	81.5	58.0	61.30	35.20	25.10
27	37.20	35.20	33.70	37.70	152	128	95.6	80.2	57.1	61.10	34.60	24.80
28	37.10	35.10	33.70	38.80	153	125	92.7	78.7	58.1	61.00	34.20	24.60
29	37.10		33.60	40.80	151	122	92.4	78.3	61.1	50.60	33.60	24.30
30	37.00		33.60	42.60	147	122	92.6	76.3	61.4	50.00	33.60	24.10
31	36.90		33.60		148		89.9	77.8		49.50		23.60
TOTAL	1 178.3	1 006.6	1 061.4	1 035.6	3 187.2	4 130	3 312.0	2 640.8	2 081.7	1 788.7	1 216.6	872.4
MEAN	38.0	36.0	34.2	34.2	103	138	107	85.4	69.4	64.6	40.5	28.2
MAX	39.1	36.8	35.0	42.6	153	165	128	91.8	78.7	90.0	48.6	33.1
MIN	36.9	35.1	33.6	33.0	44.8	122	89.9	76.3	64.6	49.5	33.6	23.6

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 64.2
MAXIMUM DAILY, 153 ON MAY 28
MINIMUM DAILY, 23.60 ON DEC 31
MAXIMUM INSTANTANEOUS,
155 ON MAY 28

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 51 33 N
LONG 95 07 12 W
DRAINAGE AREA, 8 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	102 000	JUL	286 000
FEB	87 000	AUG	228 000
MAR	91 700	SEP	180 000
APR	88 700	OCT	147 000
MAY	275 000	NOV	105 000
JUN	356 000	DEC	75 900

TOTAL DISCHARGE, 2 020 000 dam³

HESPELER FLOODWAY NEAR ROSENFELD - STATION NO. 05OC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	5.39 A	1.46	0.210	0.050	2.41	0	0	0B	---
2	---	---	0 B	2.67	1.76	0.209	0.065	3.13	0	0	0B	---
3	---	---	0 B	1.78	1.87	0.187	0.066	3.07	0	0	0B	---
4	---	---	0 B	1.27 A	1.33	0.169	0.161	2.65	0	0	0B	---
5	---	---	0 B	1.06 A	1.05	0.076	0.141	2.33	0	0	---	---
6	---	---	0 B	1.04	0.800	0.043	0.116	1.61	0	0	---	---
7	---	---	0 B	0.908	0.683	0.030	0.087	1.01	0	0	---	---
8	---	---	0 B	0.752	0.640	0.023	0.077	0.828	0	0	---	---
9	---	---	0 B	0.621	0.580	0.022	0.065	0.430	0	0	---	---
10	---	---	0 B	0.537	0.650	0.026	0.101	0.284	0	0	---	---
11	---	---	0 B	0.475	0.861	0.032	0.165	0.268	0	0	---	---
12	---	---	0 B	0.411	0.612	0.038	0.181	0.160	0	0	---	---
13	---	---	0 B	0.329	10.8 A	0.038	0.215	0.084	0	0	---	---
14	---	---	0 B	0.264	13.7 E	0.035	0.247	0.044	0	0	---	---
15	---	---	0 B	0.250	8.80 E	0.045	0.246	0.023	0	0	---	---
16	---	---	0 B	0.182	4.82 E	0.054	0.236	0.011	0	0	---	---
17	---	---	0 B	0.226	2.71 E	0.062	0.237	0.004	0	0	---	---
18	---	---	0 B	0.350	1.86 E	0.045	0.242	0	0	0	---	---
19	---	---	0 B	0.616	1.06 E	0.066	0.240	0	0	0	---	---
20	---	---	0 B	6.63	0.607E	0.076	0.241	0	0	0	---	---
21	---	---	0 B	6.12	0.518E	0.066	0.232	0	0	0	---	---
22	---	---	0 B	2.09	0.428E	0.087	0.216	0	0	0	---	---
23	---	---	0 B	1.24	0.361E	0.087	0.183	0	0	0	---	---
24	---	---	0 B	0.831	0.266E	0.077	0.173	0	0	0	---	---
25	---	---	5.10 B	0.616	0.274E	0.085	0.148	0	0	0	---	---
26	---	---	20.4 B	0.710	0.261E	0.048	0.136	0	0	0	---	---
27	---	---	24.6 B	0.624	0.234E	0.050	0.163	0	0	0	---	---
28	---	---	29.3 B	0.670	0.235A	0.050	0.168	0	0	0	---	---
29	---		26.0 B	0.637	0.206	0.045	0.164	0	0	0	---	---
30	---		16.5 E	1.45	0.222	0.048	0.176	0	0	0	---	---
31	---		8.50E		0.223		1.00	0		0		---
TOTAL	---	---	130.88	41.467	67.291	2.060	6.930	16.104	0	0	---	---
MEAN	---	---	4.22	1.38	2.17	0.068	0.181	0.587	0	0	---	---
MAX	---	---	29.3	6.63	16.5	0.210	1.00	3.13	0	0	---	---
MIN	---	---	0	0.182	0.204	0.022	0.056	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.60
MAXIMUM DAILY, 29.30 ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 10 N
LONG 97 33 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	612
FEB	---	AUG	1 370
MAR	11 300	SEP	0
APR	3 580	OCT	0
MAY	5 820	NOV	---
JUN	178	DEC	---

TOTAL DISCHARGE, 23 000 dam³

HIDDEN ISLAND COULEE NEAR HANSBORO - STATION NO. 05DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.127	0.160	0.001	0.002	0.001	0	0	0	0	1
2	0	0	0	0.083	0.137	0.003	0.038	0.001	0	0	0	0	2
3	0	0	0	0.122	0.132	0.011	0.038	0.001	0	0	0	0	3
4	0	0	0	0.083	0.125	0.003	0.024	0.001	0	0	0	0	4
5	0	0	0	0.079	0.132	0.000	0.019	0.001	0	0	0	0	5
6	0	0	0 B	0.082	0.138	0.002	0.013	0.001	0	0	0	0	6
7	0	0	0 B	0.076	0.122	0.002	0.010	0.001	0	0	0	0	7
8	0	0	0 B	0.066	0.105	0.001	0.007	0	0	0	0	0	8
9	0	0	0 B	0.055	0.147	0.001	0.006	0	0	0	0	0	9
10	0	0	0 B	0.069	0.164	0.001	0.013	0	0	0	0	0	10
11	0	0	0 B	0.061	0.130	0.001	0.011	0	0	0	0	0	11
12	0	0	0 B	0.005B	0.108	0	0.024	0	0	0	0	0	12
13	0	0	0 B	0.005B	0.088	0	0.026	0	0	0	0	0	13
14	0	0	0.001B	0.024B	0.076	0	0.003	0	0	0	0	0	14
15	0	0	0.013B	0.024B	0.068	0.003	0.003	0	0	0	0	0	15
16	0	0	0.600B	0.023B	0.003	0.002	0.040	0	0	0	0	0	16
17	0	0	0.505B	0.026B	0.004	0.001	0.062	0	0	0	0	0	17
18	0	0	0.462B	0.386	0.005	0	0.040	0	0	0	0	0	18
19	0	0	0.205B	0.821	0.003	0.002	0.034	0	0	0	0	0	19
20	0	0	0.105B	0.680	0.034	0.006	0.046	0	0	0	0	0	20
21	0	0	0.085B	0.452	0.029	2.92	0.062	0	0	0	0	0	21
22	0	0	0.283B	0.384	0.025	2.67	0.045	0	0	0	0	0	22
23	0	0	0.024B	0.283	0.021	1.53	0.040	0	0	0	0	0	23
24	0	0	0.595	0.204	0.018	0.724	0.036	0	0	0	0	0	24
25	0	0	0.340	0.172	0.015	0.280	0.012	0	0	0	0	0	25
26	0	0	0.286	0.167	0.012	0.240	0.010	0	0	0	0	0	26
27	0	0	0.285	0.120	0.008	0.181	0.008	0	0	0	0	0	27
28	0	0	0.244	0.133	0.007	0.106	0.005	0	0	0	0	0	28
29	0		0.207	0.129	0.004	0.071	0.003	0	0	0	0	0	29
30	0		0.161	0.156	0.003	0.007	0.002	0	0	0	0	0	30
31	0		0.154		0.002		0.001	0		0		0	31
TOTAL	0	0	6.007	5.160	2.172	7.938	0.776	0.007	0	0	0	0	TOTAL
MEAN	0	0	0.194	0.172	0.070	0.265	0.025	0	0	0	0	0	MEAN
MAX	0	0	0.630	0.821	0.164	2.92	0.062	0.001	0	0	0	0	MAX
MIN	0	0	0	0.002	0.002	0	0.001	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.061
MAXIMUM DAILY, 2.92 ON JUN 21
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
7.62 AT 14:00 CST ON JUN 21

SUMMARY FOR THE YEAR 1985

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 57 10 N
LONG 99 20 30 W
DRAINAGE AREA, 60.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	66.9
FEB	0	AUG	0.60
MAR	521	SEP	0
APR	446	OCT	0
MAY	188	NOV	0
JUN	686	DEC	0

TOTAL DISCHARGE, 1 910 dam³

ICELANDIC RIVER NEAR RIVERTON - STATION NO. 05SC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.182B	61.7 B	30.0	1.30	0.770E	0.384E	0.253E	0.253E	---	---	1
2	---	---	0.172B	129 B	21.4	1.29	0.816E	0.379E	0.250E	0.216E	---	---	2
3	---	---	0.164B	101	20.5	1.26	0.662E	0.373E	0.241E	0.270E	---	---	3
4	---	---	0.163B	82.8	15.5	1.26	0.640E	0.360E	0.228E	0.292E	---	---	4
5	---	---	0.161B	68.2	14.0	1.19	0.642E	0.344E	0.220E	0.275E	---	---	5
6	---	---	0.176B	56.7	42.2	1.17	0.576E	0.300E	0.227E	0.238E	---	---	6
7	---	---	0.176B	46.6	42.5	1.04	0.560E	0.280E	0.232E	0.222E	---	---	7
8	---	---	0.172B	37.5	24.4	1.04	0.574E	0.316E	0.224E	0.303E	---	---	8
9	---	---	0.168B	27.2	17.2	1.12	0.556E	0.280E	0.218E	0.381E	---	---	9
10	---	---	0.166B	22.1	14.2	1.08	0.527E	0.422E	0.185E	0.340E	---	---	10
11	---	---	0.166B	18.0	11.0	1.03	0.663E	0.434E	0.180E	0.317E	---	---	11
12	---	---	0.162B	14.4	10.1	0.984	0.640E	0.436A	0.180E	0.334E	---	---	12
13	---	---	0.160B	10.2	8.82	0.838	0.642E	0.425E	0.205E	0.253E	---	---	13
14	---	---	0.170B	7.57	6.81	0.818	1.23 B	0.378E	0.221E	0.236E	---	---	14
15	---	---	0.218B	6.76	5.60	0.881	1.23 B	0.330E	0.230E	0.208E	---	---	15
16	---	---	0.220B	6.30	5.13	0.810	1.31 B	0.280E	0.300E	0.174E	---	---	16
17	---	---	0.191B	6.80	4.52	0.787	1.25 B	0.280E	0.465E	0.183E	---	---	17
18	---	---	0.166B	7.01	3.80	1.06	1.40 B	0.284E	0.456E	0.235E	---	---	18
19	---	---	0.188B	15.4	3.43	0.912	0.860E	0.280E	0.420E	0.230E	---	---	19
20	---	---	0.234B	26.6	3.27	0.782A	0.779E	0.240E	0.356E	0.264E	---	---	20
21	---	---	0.250B	17.2	2.85	0.728E	0.674E	0.230E	0.322E	0.390E	---	---	21
22	---	---	0.230B	12.8	2.67	0.635E	0.560E	0.216E	0.297E	0.481E	---	---	22
23	---	---	0.264B	11.1	2.37	0.662E	0.546E	0.211E	0.270E	0.400E	---	---	23
24	---	---	0.346B	11.0	2.22	0.675E	0.523E	0.218E	0.264A	0.322E	---	---	24
25	---	---	0.350B	10.4	2.14	0.666E	0.603E	0.210E	0.211E	0.276E	---	---	25
26	---	---	0.464B	8.89	1.88	1.10 B	0.481E	0.352E	0.257E	0.240E	---	---	26
27	---	---	0.387B	9.11	1.78	1.24 B	0.474E	0.310E	0.327E	0.285E	---	---	27
28	---	---	0.666B	11.2	1.73	1.18 B	0.438E	0.280E	0.359E	0.532E	---	---	28
29	---		6.80 B	10.8	1.71	1.14 B	0.412E	0.257E	0.369E	0.523A	---	---	29
30	---		37.5 B	15.8	1.56	0.830E	0.304E	0.260E	0.278E	0.514E	---	---	30
31	---		70.2 B		1.30		0.379E	0.242E		0.489E		---	31
TOTAL	---	---	123.307	904.73	343.30	28.716	21.083	9.779	8.251	9.684	---	---	TOTAL
MEAN	---	---	3.98	30.2	11.0	1.00	0.680	0.315	0.275	0.312	---	---	MEAN
MAX	---	---	70.2	129	42.5	1.30	1.31	0.436	0.465	0.532	---	---	MAX
MIN	---	---	0.160	6.76	1.30	0.728	0.276	0.211	0.180	0.174	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.92
MAXIMUM DAILY, 129B ON APR 2
MINIMUM DAILY, 0.160B ON MAR 13
MAXIMUM INSTANTANEOUS,
137 AT 05:10 CST ON APR 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 35 N
LONG 97 02 10 W
DRAINAGE AREA, 1 370 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 820
FEB	---	AUG	844
MAR	10 700	SEP	713
APR	78 200	OCT	837
MAY	29 700	NOV	---
JUN	2 850	DEC	---

TOTAL DISCHARGE, 125 000 dam³

ISLAND LAKE NEAR ISLAND LAKE - STATION NO. 04AC002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	228.091	228.029	227.962	227.904	228.066	228.539	228.426	228.290	228.174	228.068	---	---
2	228.088	228.028	227.959	227.900	228.080	228.547	228.432	228.289	228.168	228.065	---	---
3	228.087	228.028	227.954	227.899	228.100	228.533	228.427	228.283	228.160	228.064	---	---
4	228.085	228.025	227.947	227.897	228.123	228.532	228.418	228.282	228.148	228.062	---	---
5	228.080	228.023	227.945	227.897	228.143	228.533	228.420	228.267	228.130	228.058	---	---
6	228.078	228.018	227.938	227.897	228.163	228.536	228.367	228.263	228.138	228.047	---	---
7	228.075	228.008	227.936	227.893	228.184	228.485	228.370	228.261	228.110	228.043	---	---
8	228.075	228.004	227.939	227.894	228.207	228.523	228.389	228.262	228.117	228.022	---	---
9	228.078	228.002	227.937	227.896	228.229	228.527	228.383	228.276	228.123	228.045	---	---
10	228.078	228.000	227.936	227.898	228.259	228.526	228.380	228.282	228.118	228.039	---	---
11	228.075	228.000	227.932	227.897	228.282	228.526	228.388	228.284	228.114	228.046	---	---
12	228.073	227.996	227.931	227.892	228.307	228.503	228.382	228.267	228.096	228.052	---	---
13	228.078	227.994	227.932	227.890	228.328	228.514	228.372	228.256	228.091	228.051	---	---
14	228.072	227.990	227.928	227.890	228.348	228.500	228.382	228.253	228.089	228.051	---	---
15	228.070	227.988	227.925	227.895	228.372	228.507	228.353	228.248	228.087	228.043	---	---
16	228.070	227.985	227.923	227.897	228.392	228.507	228.380	228.220	228.089	228.055	---	---
17	228.066	227.983	227.921	227.902	228.411	228.507	228.349	228.222	228.083	228.056	---	---
18	228.062	227.980	227.918	227.903	228.433	228.505	228.328	228.234	228.080	228.057	---	---
19	228.060	227.977	227.911	227.908	228.457	228.505	228.317	228.235	228.072	228.054	---	---
20	228.058	227.975	227.908	227.917	228.473	228.496	228.318	228.181	228.089	228.049	---	---
21	228.050	227.975	227.908	227.928	228.486	228.488	228.295	228.220	228.071	228.056	---	---
22	228.045	227.973	227.906	227.933	228.500	228.478	228.303	228.214	228.071	228.048	---	---
23	228.042	227.970	227.904	227.944	228.511	228.470	228.307	228.213	228.070	228.054	---	---
24	228.042	227.968	227.906	227.957	228.518	228.469	228.312	228.210	228.071	228.054	---	---
25	228.039	227.971	227.903	227.970	228.528	228.484	228.310	228.203	228.078	228.056	---	---
26	228.033	227.968	227.905	227.978	228.534	228.458	228.308	228.208	228.072	228.053	---	---
27	228.035	227.965	227.908	227.993	228.538	228.443	228.301	228.182	228.058	228.064	---	---
28	228.034	227.964	227.908	228.011	228.543	228.439	228.300	228.188	228.048	228.026	---	---
29	228.030		227.903	228.038	228.547	228.441	228.300	228.191	228.047	228.038	---	---
30	228.025		227.900	228.053	228.541	228.438	228.298	228.193	228.053	228.038E	---	---
31	228.024		227.898		228.541		228.288	228.174		228.041E		---
MEAN	228.061	227.992	227.924	227.926	228.359	228.498	228.351	228.239	228.087	228.048	---	---
MAX	228.091	228.029	227.962	228.053	228.547	228.547	228.428	228.293	228.174	228.068	---	---
MIN	228.024	227.964	227.898	227.890	228.066	228.438	228.288	228.174	228.048	228.022	---	---

WATER LEVELS IN METRES

MAXIMUM DAILY, 228.547 ON MAY 29
MINIMUM DAILY, 227.890 ON APR 13
MAXIMUM INSTANTANEOUS,
228.557 AT 13:42 CST ON JUN 2

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 00 N
LONG 94 40 25 W

E - ESTIMATED
NATURAL FLOW

ISLAND LAKE RIVER NEAR ISLAND LAKE - STATION NO. 04AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	72.3	64.4	56.9	50.4	98.1	153	130	103	83.2	68.0	65.9E	60.4E
2	71.8	64.3	56.5	50.0	70.6	155	128	102	83.4	67.7	65.5E	60.3E
3	71.7	64.3	56.0	49.9	73.3	153	130	103	81.1	67.6	65.3E	60.2E
4	71.5	63.9	55.3	49.7	74.2	152	128	103	79.5	66.1	65.0E	60.1E
5	70.9	63.5	55.0	49.7	76.7	152	126	102	79.1	65.6	64.7E	60.0E
6	70.4	62.6	54.3	49.6	81.5	153	117	101	78.1	66.7	64.5E	59.8E
7	70.1	62.1	54.2	49.3	84.9	152	118	101	76.8	66.2	64.3E	59.7E
8	70.2	61.8	54.3	49.3	88.0	150	126	101	75.4	63.6	64.0E	59.6E
9	70.3	61.3	54.1	49.6	91.7	151	122	99.9	76.2	66.5	63.8E	59.5E
10	70.3	61.1	53.8	49.8	96.7	151	122	97.3	75.9	65.7	63.5E	59.4E
11	70.2	61.1	53.5	49.6	101	151	122	97.6	75.1	65.6	63.3E	59.3E
12	70.0	60.7	53.6	49.2	106	148	120	96.3	72.8	67.4	63.3E	59.2E
13	70.1	60.5	53.6	48.9	110	148	118	96.2	72.2	67.1	63.0E	59.0E
14	69.9	60.0	53.1	48.9	114	145	118	95.7	72.0	67.2	62.8E	58.9E
15	69.6	59.8	52.7	49.4	118	148	115	94.8	71.7	66.0	62.7E	58.7E
16	69.6	59.4	52.6	49.7	122	148	114	90.2	71.9	67.7	62.8E	58.8E
17	69.1	59.2	52.3	50.2	126	145	114	90.5	71.3	67.8	62.4E	58.5E
18	68.5	58.9	51.6	50.3	131	148	109	92.5	70.8	66.0	62.3E	58.4E
19	68.3	58.5	51.2	51.0	135	148	106	93.7	69.5	67.5	62.1E	58.3E
20	68.1	58.4	51.0	51.8	139	145	106	94.3	69.4	67.0	61.8E	58.2E
21	67.1	58.3	51.0	53.8	142	143	103	90.2	69.7	67.8	61.8E	58.1E
22	66.5	58.1	50.6	53.7	145	140	105	89.1	69.7	67.0	61.7E	58.0E
23	66.0	57.8	50.4	54.8	147	139	105	88.9	69.6	67.5	61.8E	57.8E
24	66.1	57.6	50.8	56.4	149	138	107	88.5	69.8	67.5	61.4E	57.7E
25	65.7	57.8	50.4	57.7	151	138	106	87.4	70.7	67.6	61.2E	57.6E
26	64.9	57.6	50.6	58.6	152	136	105	85.1	69.8	67.4	61.1E	57.5E
27	65.2	57.2	50.9	60.3	153	133	105	85.8	68.2	67.6	60.8E	57.4E
28	65.0	57.1	50.6	62.3	154	130	105	85.8	68.5	64.1	60.6E	57.3E
29	64.5		50.4	65.5	155	133	105	85.7	66.7	65.5	60.7E	57.2E
30	63.9		50.0	67.4	154	132	104	85.8	67.4	65.7E	60.6E	57.1E
31	63.6		49.9		154		103	83.1		65.9E		57.0E
TOTAL	2 131.6	1 687.2	1 630.9	1 586.0	3 889.6	4 336	3 646	2 803.3	2 166.4	2 089.8	1 884.6	1 818.9
MEAN	68.4	60.3	52.6	52.8	118	145	114	93.7	72.9	66.8	62.8	58.7
MAX	72.3	64.4	56.9	67.4	155	155	130	103	83.2	68.0	65.9	60.4
MIN	63.6	57.1	49.9	48.9	69.1	130	102	83.1	66.5	63.6	60.6	57.0

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 80.7
MAXIMUM DAILY, 155 ON MAY 25
MINIMUM DAILY, 48.9 ON APR 13
MAXIMUM INSTANTANEOUS,
157 AT 13:42 CST ON JUN 2

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 03 34 N
LONG 94 39 34 W
DRAINAGE AREA, 14 000 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	183 000	JUL	305 000
FEB	146 000	AUG	251 000
MAR	141 000	SEP	189 000
APR	137 000	OCT	179 000
MAY	317 000	NOV	163 000
JUN	376 000	DEC	157 000

TOTAL DISCHARGE, 2 540 000 dam³

JACKFISH LAKE ABOVE JACKFISH LAKE DAM - STATION NO. 05LJ007

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	895.057	---	---	---	---	894.886	894.712	895.154	894.950	895.352	895.061	895.087	1
2	895.080	---	---	---	---	894.941A	894.712	895.187	894.950	895.352	895.064	895.090	2
3	895.088	---	---	---	---	---	894.718	895.200	894.947	895.352	895.067	895.093	3
4	895.059	---	895.194A	---	---	---	894.763	895.200	894.944	895.348	895.076	895.096	4
5	895.078	---	---	---	---	---	894.828	895.142	894.941	895.343	894.904	895.100	5
6	895.084	---	---	---	---	---	---	894.804	894.947	895.337	894.708	895.100	6
7	895.081	---	---	---	---	---	---	894.993	894.804	894.941	895.325	894.530	895.100	7
8	895.087	---	---	---	---	---	---	895.078	894.804	894.936	895.304	894.377	895.103	8
9	895.086	---	---	895.393A	---	---	---	895.109	894.783	894.936	895.275	894.237	895.096	9
10	895.087	---	---	---	894.180A	894.878A	895.124	894.749	894.936	895.243	894.130	895.102	10
11	895.083	---	---	---	894.088E	894.870	895.118	894.891	894.938	895.191	894.203	895.100	11
12	895.103	---	---	---	895.977A	894.878	895.142	894.836	894.956	895.100	894.277	895.100	12
13	895.093	---	---	---	895.688E	894.873	895.173	894.712	894.956	894.990	894.356	895.103	13
14	895.103	---	---	---	895.787A	894.873	895.173	894.795	894.953	894.858	894.423	895.096	14
15	895.100	---	---	---	895.778	894.873	895.184	894.813	894.953	894.709	894.488	895.096	15
16	895.109	---	---	---	895.784	894.870	895.157	894.818	894.953	894.584	894.883	895.096	16
17	895.109	---	---	---	895.740	894.878	895.148	894.818	894.885	894.438	894.824	895.093	17
18	895.115	---	---	---	895.709	894.882	895.142	894.828	894.885	894.514	894.482	895.093	18
19	895.115	---	895.258A	---	895.676	894.897	895.142	894.831	894.832	894.821	894.743	895.090	19
20	895.121	---	---	---	895.642	894.712	895.133	894.825	894.982	894.740	894.798	895.090	20
21	895.127	---	---	---	895.602	894.705	895.124	894.825	894.982	894.882	894.850	895.090	21
22	---	---	---	---	895.554	894.703	895.121	894.825	894.985	894.956	894.889	895.090	22
23	---	---	---	---	895.502	894.703	895.115	894.822	894.988	895.026	894.928	895.090	23
24	---	---	---	---	895.447	894.715	895.106	894.853	894.988	895.060	894.971	895.090	24
25	---	---	---	---	895.390	894.719	895.109	894.886	895.048	895.089	895.008	895.087	25
26	---	---	---	---	895.318	894.715	895.118	894.923	895.200	895.088	895.045	895.087	26
27	---	---	---	---	895.252	894.708	895.106	894.947	895.328	895.089	895.066	895.084	27
28	---	---	---	---	895.185	894.708	895.109	894.953	895.337	895.089	895.072	895.084	28
29	---		---	---	895.118	894.709	895.109	894.953	895.340	895.089	895.075	895.084	29
30	---		---	---	895.045	894.712	895.133	894.953	895.340	895.089	895.081	895.087	30
31	---		---	---	895.026		895.142	894.953		895.075		895.081	31
MEAN	---	---	---	---	---	---	895.058	894.891	895.017	895.043	894.746	895.093	MEAN
MAX	---	---	---	---	---	---	895.173	895.200	895.349	895.352	895.087	895.103	MAX
MIN	---	---	---	---	---	---	894.712	894.836	894.838	894.438	894.130	895.081	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 58 N
LONG 100 46 06 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JACKSON CREEK NEAR MELITA - STATION NO. 05NF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.458	0.238	0.036	0	0.008	0	0	---	---	1
2	---	---	0.0018	0.467	0.243	0.032	0	0.007	0	0	---	---	2
3	---	---	0.0018	0.432	0.243	0.027	0	0.005	0	0	---	---	3
4	---	---	0.0028	0.322	0.243	0.023	0	0.004	0	0	---	---	4
5	---	---	0.0028	0.256	0.284	0.019	0.001	0.003	0	0	---	---	5
6	---	---	0.0018	0.225	0.383	0.017	0.003	0.002	0	0	---	---	6
7	---	---	0 B	0.208	0.338	0.016	0.002	0.001	0	0	---	---	7
8	---	---	0 B	0.213	0.438	0.011	0.001	0	0	0	---	---	8
9	---	---	0 B	0.264	0.520	0.009	0	0.001	0	0	---	---	9
10	---	---	0 B	0.269	0.410	0.008	0	0.001	0	0	---	---	10
11	---	---	0 B	0.228	0.426	0.008	0	0	0	0	---	---	11
12	---	---	0 B	0.230	0.701	0.002	0.001	0	0	0	---	---	12
13	---	---	0 B	0.217	0.626	0.002	0.001	0	0	0	---	---	13
14	---	---	0.0058	0.182	0.533	0	0.001	0	0	0	---	---	14
15	---	---	0.0098	0.188	0.448	0.001	0	0	0	0	---	---	15
16	---	---	0.0098	0.208	0.384	0.004	0	0	0	0	---	---	16
17	---	---	0.0078	0.185	0.305	0.004	0.008	0	0	0	---	---	17
18	---	---	0.0048	0.246	0.252	0.003	0.016	0	0	0	---	---	18
19	---	---	0.0028	0.218	0.212	0.005	0.016	0	0	0	---	---	19
20	---	---	0 B	0.186	0.185	0.013	0.011	0	0	0	---	---	20
21	---	---	0.0018	0.185	0.185	0.013	0.011	0	0	0	---	---	21
22	---	---	0.0028	0.170	0.139	0.009	0.007	0	0	0	---	---	22
23	---	---	0.0018	0.168	0.107	0.008	0.005	0	0	0	---	---	23
24	---	---	0.0018	0.183	0.084	0.006	0.004	0	0	0	---	---	24
25	---	---	0.0028	0.181	0.108	0.004	0.002	0	0	0	---	---	25
26	---	---	0.0018	0.185	0.103	0.003	0.002	0	0	0	---	---	26
27	---	---	0.1448	0.216	0.101	0.002	0.004	0	0	0	---	---	27
28	---	---	0.467	0.223	0.088	0.001	0.023	0	0	0	---	---	28
29	---		0.840	0.230	0.076	0	0.017	0	0	0	---	---	29
30	---		0.488	0.221	0.081	0	0.013	0	0	0	---	---	30
31	---		0.485		0.048		0.010	0		0		---	31
TOTAL	---	---	2.223	7.130	8.428	0.284	0.198	0.033	0	0	---	---	TOTAL
MEAN	---	---	0.072	0.238	0.272	0.009	0.006	0.001	0	0	---	---	MEAN
MAX	---	---	0.840	0.458	0.701	0.036	0.033	0.009	0	0	---	---	MAX
MIN	---	---	0	0.151	0.048	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.075
MAXIMUM DAILY, 0.701 ON MAY 12
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.706 AT 08:44 CST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 100 57 00 W
DRAINAGE AREA, 480 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	13.7
FEB	---	AUG	2.85
MAR	193	SEP	0
APR	616	OCT	0
MAY	726	NOV	---
JUN	24.5	DEC	---

TOTAL DISCHARGE, 1 980 dam³

JACKSON LAKE NEAR SYDNEY - STATION NO. 05LL002

DAILY WATER LEVEL IN METRES FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	355.914	355.870E	355.871E	355.850E	355.833E	355.771	---
2	355.842	---	---	---	---	355.914	355.873E	355.861	355.849	355.838E	355.771E	---
3	---	---	---	---	---	355.908E	355.881	355.851	355.830E	355.840	355.771E	355.825
4	---	---	355.882	---	---	355.901E	355.891E	355.841	355.820E	355.850	355.771	---
5	---	355.762	---	---	---	355.894	355.901	355.838E	355.819	355.850	---	---
6	---	---	---	---	---	355.884E	355.891	355.835E	355.800	355.858E	---	---
7	---	---	---	---	---	355.873	355.881	355.831	355.802E	355.860	---	---
8	---	---	---	---	---	355.862E	355.871	355.821	355.804E	355.870E	---	---
9	---	---	---	---	---	355.851E	355.871	355.811	355.875	355.860	---	---
10	---	---	---	---	---	355.839E	355.891E	355.801	355.887E	355.885E	---	---
11	---	---	---	---	355.886	355.828E	355.911E	355.888E	355.858E	355.850	---	---
12	---	---	---	---	355.858E	355.818	355.921	355.871	355.850	355.850	---	---
13	---	---	---	---	355.832E	355.804E	355.951	355.881	355.840	355.850	---	---
14	---	---	---	---	355.845	355.781	355.951	355.861	355.839E	355.883E	---	---
15	355.787	---	---	---	355.845E	355.781	355.950E	355.840E	355.837E	355.898E	---	---
16	---	---	---	---	355.849E	355.781	355.931	355.831	355.838E	355.750	---	---
17	---	---	---	---	355.845	355.781	355.919E	355.820E	355.834E	355.730	---	---
18	---	---	---	---	355.839E	355.771	355.871	355.809E	355.833E	355.730	355.855	355.830
19	---	---	---	---	355.833E	355.771	355.871	355.788E	355.830	355.740E	---	---
20	---	355.712	---	---	355.835	355.788E	355.894E	355.787E	355.833E	355.750	---	---
21	---	---	---	---	355.839E	355.801	355.883E	355.778E	355.838E	355.780E	---	---
22	---	---	---	355.877	355.815	355.808E	355.848E	355.785E	355.840	355.780E	---	---
23	---	---	---	---	355.805E	355.818E	355.841	355.784E	355.844E	355.780	---	---
24	---	---	---	---	353.805E	355.827E	355.831E	355.763E	355.838E	355.780E	---	---
25	---	---	---	---	355.808E	355.838E	355.821E	355.743E	355.853E	355.780E	---	---
26	---	---	355.830	---	355.874	355.844E	355.811	355.718E	355.870E	355.790	---	---
27	---	---	---	---	355.854E	355.853E	355.801	355.705	355.860	355.770	---	---
28	---	---	---	---	355.834	355.862E	355.801E	355.680	355.868E	355.781	---	---
29	---	---	---	---	355.824E	355.871	355.801	355.680E	355.813E	355.771	---	---
30	---	---	---	---	355.814	355.873E	355.801E	355.680E	355.830	355.771	---	---
31	---	---	---	---	355.814E	---	355.881E	355.680E	---	355.771E	---	---
MEAN	---	---	---	---	---	355.838	355.864	355.827	355.873	355.798	---	---
MAX	---	---	---	---	---	355.914	355.871	355.871	355.850	355.771	---	---
MIN	---	---	---	---	---	355.771	355.871	355.680	355.830	355.833	---	---

SUMMARY FOR THE YEAR 1980

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 02 11 N
LONG 99 02 08 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 19

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JOUBERT CREEK AT ST. PIERRE-JOLYS - STATION NO. 05OE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.0018	10.1	13.5	1.61	0.198	0.203	0.066	0.076	---	---
2	---	---	0.0028	9.10	14.7	1.23	0.099	0.183	0.018	0.182	---	---
3	---	---	0.0028	8.13	17.6	1.17	0.123	0.176	0.029	0.196	---	---
4	---	---	0.0040	6.76	15.8	0.988	0.152	0.196	0.034	0.181	---	---
5	---	---	0.0048	5.39	16.5	0.816	0.190	0.174	0.033	0.095	---	---
6	---	---	0.0058	4.87	19.3	0.705	0.169	0.302	0.038	0.116	---	---
7	---	---	0.0068	4.69	18.1	0.643	0.180	0.132	0.030	0.143	---	---
8	---	---	0.0078	4.78	16.9	0.574	0.138	0.078	0.021	0.155	---	---
9	---	---	0.0088	5.13	15.2	0.512	0.125	0.073	0.018	0.300	---	---
10	---	---	0.0088	5.47	13.6	0.449	0.171	0.097	0.021	0.188	---	---
11	---	---	0.0088	5.47	13.2	0.390	0.211	0.095	0.017	0.160	---	---
12	---	---	0.0108	5.30	11.7	0.343	0.251	0.077	0.013	0.142	---	---
13	---	---	0.0118	4.83	11.3	0.281	0.218	0.082	0.012	0.188	---	---
14	---	---	0.0128	4.31	10.6	0.236	0.255	0.048	0.011	0.185	---	---
15	---	---	0.0128	3.69	9.77	0.208	0.227	0.041	0.012	0.191	---	---
16	---	---	0.0138	3.33	8.84	0.202	0.200	0.034	0.013	0.180	---	---
17	---	---	0.0148	3.06	8.02	0.234	0.191	0.034	0.023	0.155	---	---
18	---	---	0.0158	2.86	7.37	0.215	0.183	0.035	0.028	0.171	---	---
19	---	---	0.0168	3.10	6.48	0.191	0.176	0.041	0.027	0.178	---	---
20	---	---	0.1578	3.26	5.76	0.214	0.165	0.043	0.028	0.188	---	---
21	---	---	0.2368	2.89	5.08	0.305	0.155	0.041	0.031	0.178	---	---
22	---	---	0.4208	2.78	4.48	0.236	0.143	0.139	0.022	0.170	---	---
23	---	---	0.5808	3.81	4.00	0.183	0.155	0.180	0.013	0.195	---	---
24	---	---	0.7208	3.23	3.78	0.172	0.141	0.106	0.010	0.183	---	---
25	---	---	0.8898	3.13	3.37	0.182	0.105	0.085	0.021	0.155	---	---
26	---	---	1.00 E	3.22	3.02	0.158	0.123	0.048	0.017	0.232	---	---
27	---	---	1.15 E	3.60	3.76	0.159	0.185	0.039	0.017	0.230	---	---
28	---	---	3.74 E	5.59	3.47	0.183	0.223	0.030	0.024	0.157	---	---
29	---		6.33 E	7.35	3.21	0.125	0.254	0.032	0.042	0.134	---	---
30	---		7.69 E	5.83	1.86	0.113	0.359	0.018	0.040	0.095	---	---
31	---		8.05 E		1.07		0.281	0.014		0.162		---
TOTAL	---	---	32.174	151.05	289.84	13.846	5.909	3.857	0.858	5.078	---	---
MEAN	---	---	1.04	5.04	9.35	0.428	0.181	0.085	0.022	0.164	---	---
MAX	---	---	8.05	10.1	18.3	1.61	0.359	0.303	0.042	0.300	---	---
MIN	---	---	0.001	2.86	1.07	0.113	0.099	0.014	0.008	0.076	---	---

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.04
MAXIMUM DAILY, 18.3 ON MAY 5
MINIMUM DAILY, 0.0018 ON MAR 1
MAXIMUM INSTANTANEOUS,
31.9 AT 23:54 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 25 N
LONG 96 59 23 W
DRAINAGE AREA, 340 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	685
FEB	---	AUG	230
MAR	2 780	SEP	85.7
APR	13 100	OCT	439
MAY	25 000	NOV	---
JUN	1 110	DEC	---

TOTAL DISCHARGE, 43 200 dam³

KENTON CREEK AT KENTON - STATION NO. 05MG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.215	0.001	0	0.001	0	0	0	---	---	1
2	---	---	0 B	0.158	0.001	0	0.001	0	0	0	---	---	2
3	---	---	0 B	0.188	0.001	0	0.001	0	0	0	---	---	3
4	---	---	0 B	0.009	0.002	0	0.001	0	0	0	---	---	4
5	---	---	0 B	0.001	0.227	0	0.322	0	0	0	---	---	5
6	---	---	0 B	0.001	0.672	0	0.201	0	0	0	---	---	6
7	---	---	0 B	0.002	0.582	0	0.032	0	0	0	---	---	7
8	---	---	0 B	0.009	0.369	0	0.002	0	0	0	---	---	8
9	---	---	0 B	0.028	0.532	0	0.004	0	0	0	---	---	9
10	---	---	0 B	0.035	0.808	0	0.009	0	0	0	---	---	10
11	---	---	0 B	0.076	0.414	0	0.006	0	0	0	---	---	11
12	---	---	0 B	0.116	0.238	0	0.020	0	0	0	---	---	12
13	---	---	0 B	0.116	0.158	0	0.035	0	0	0	---	---	13
14	---	---	0 B	0.113	0.100	0	0.031	0	0	0	---	---	14
15	---	---	0 B	0.077	0.036	0	0.024	0	0	0	---	---	15
16	---	---	0 B	0.058	0.008	0	0.005	0	0	0	---	---	16
17	---	---	0 B	0.148	0.002	0	0.013	0	0	0	---	---	17
18	---	---	0 B	0.275	0	0	0.010	0	0	0	---	---	18
19	---	---	0 B	0.386	0	0	0.005	0	0	0	---	---	19
20	---	---	0 B	0.272	0.001	0	0.004	0	0	0	---	---	20
21	---	---	0 B	0.154	0	0	0.004	0	0	0	---	---	21
22	---	---	0.4138 B	0.117	0	0	0.003	0	0	0	---	---	22
23	---	---	2.62 B	0.102	0	0	0.002	0	0	0	---	---	23
24	---	---	1.81 B	0.081	0	0	0.002	0	0	0	---	---	24
25	---	---	0.3708	0.067	0	0	0.002	0	0	0	---	---	25
26	---	---	0.3288	0.048	0	0.332	0.002	0	0	0	---	---	26
27	---	---	1.00 B	0.029	0	0.185	0.001	0	0	0	---	---	27
28	---	---	1.71 B	0.020	0.001	0.013	0.002	0	0	0	---	---	28
29	---		1.08	0.012	0	0.001	0.001	0	0	0	---	---	29
30	---		0.541	0.003	0	0.001	0	0	0	0	---	---	30
31	---		0.359		0		0			0		---	31
TOTAL	---	---	16.331	3.924	4.185	0.542	0.745	0	0	0	---	---	TOTAL
MEAN	---	---	0.333	0.087	0.134	0.018	0.024	0	0	0	---	---	MEAN
MAX	---	---	2.62	0.386	0.672	0.332	0.322	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.076
MAXIMUM DAILY, 2.628 ON MAR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.958 AT 21:26 CST ON MAR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 24 N
LONG 100 36 39 W
DRAINAGE AREA, 45.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	64.5
FEB	---	AUG	0
MAR	893	SEP	0
APR	253	OCT	0
MAY	380	NOV	---
JUN	46.8	DEC	---

TOTAL DISCHARGE, 1 630 dam³

KENTON RESERVOIR NEAR KENTON - STATION NO. 05MG803

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	441.263E	441.273E	441.221	441.119E	441.235E	441.205	---	1
2	---	---	---	---	---	441.281E	441.267	441.221E	441.113	441.245	---	---	2
3	---	---	---	---	---	441.260E	441.254	441.221	441.108E	441.253E	---	---	3
4	---	---	440.629	---	---	441.258E	441.245	441.218E	441.105	441.261	---	---	4
5	---	---	---	---	---	441.257E	441.242E	441.215	441.098E	441.268E	---	---	5
6	---	---	---	---	---	441.285	441.239	441.228E	441.092	441.271	---	---	6
7	---	---	---	---	---	441.250E	441.238E	441.242	441.081E	441.256E	---	---	7
8	---	---	---	---	---	441.245	441.237	441.244E	441.080	441.241	---	---	8
9	---	---	---	---	---	441.238E	441.262E	441.245	441.084E	441.248E	---	---	9
10	---	---	---	---	---	441.231	441.287	441.241E	441.077	441.255	---	---	10
11	---	---	---	---	---	441.227E	441.273E	441.235	441.074E	441.259E	---	---	11
12	---	---	---	---	---	441.223	441.256	441.231E	441.070	441.263	---	---	12
13	---	---	---	---	---	441.219E	441.273E	441.226	441.061E	441.281	---	---	13
14	---	---	---	---	---	441.215	441.289	441.219E	441.052	441.285	---	---	14
15	---	---	---	---	441.283	441.212E	441.282E	441.212	441.056E	441.290E	---	---	15
16	---	---	---	---	441.284E	441.208	441.274	441.208E	441.060	441.295	---	---	16
17	---	---	---	---	441.285	441.205E	441.273E	441.204	441.059E	441.285E	---	441.195	17
18	---	---	---	---	441.285E	441.202	441.272	441.202E	441.057	441.235	---	---	18
19	---	---	---	---	441.285	441.207E	441.288E	441.200	441.080E	441.188E	441.217	---	19
20	---	---	---	---	441.285E	441.212	441.280	441.194E	441.084	441.140	---	---	20
21	---	---	---	---	441.285	441.208E	441.258E	441.188	441.061E	441.132E	---	---	21
22	---	---	---	---	441.285E	441.203	441.255	441.181E	441.057	441.124	---	---	22
23	440.830	---	---	---	441.284E	441.198E	441.252E	441.173	441.084E	441.132E	---	---	23
24	---	---	---	---	441.284E	441.193	441.248	441.167E	441.072	441.140	---	---	24
25	---	---	---	---	441.283E	441.214E	441.248E	441.161	441.096	441.145E	---	---	25
26	---	---	---	---	441.282E	441.235	441.243	441.183	441.135	441.150	---	---	26
27	---	---	---	---	441.281	441.258E	441.248E	441.149	441.163E	441.180E	---	---	27
28	---	---	---	---	441.278E	441.280	441.249	441.142E	441.191	441.210	---	---	28
29	---		---	---	441.271	441.280E	441.240E	441.135	441.208E	441.300E	---	---	29
30	---		---	---	441.268E	441.279	441.231	441.130E	441.226	441.190	---	---	30
31	---		---		441.264		441.226E	441.125		441.197E		---	31
MEAN	---	---	---	---	---	441.233	441.257	441.188	441.085	441.228	---	---	MEAN
MAX	---	---	---	---	---	441.280	441.289	441.245	441.226	441.295	---	---	MAX
MIN	---	---	---	---	---	441.193	441.226	441.125	441.052	441.124	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 58 34 N
LONG 100 36 04 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KETTLE RIVER NEAR GILLAM - STATION NO. 05UF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.75 B	0.9488	0.4758	0.3148	0.3528	67.1	28.3	45.0	38.4	19.0	11.5 B	3.908
2	1.86 B	0.9388	0.4588	0.3228	0.3408	60.7	27.3	44.2	38.1	18.7	10.5 B	3.848
3	1.82 B	0.9228	0.4378	0.3228	0.4068	56.1	26.7	43.3	38.8	18.1	10.3 B	3.808
4	1.58 B	0.8988	0.4188	0.3228	0.4568	49.6	28.8	42.2	35.7	18.7	9.708	3.788
5	1.55 B	0.8838	0.3988	0.3228	0.5528	45.6	30.0	40.6	33.5	17.6	9.258	3.708
6	1.52 B	0.8708	0.3788	0.3228	0.6548	43.8	36.6	38.9	33.8	16.5	8.808	3.648
7	1.49 B	0.8488	0.3708	0.3228	0.8708	41.5	42.8	39.2	34.0	16.5	8.388	3.608
8	1.46 B	0.8278	0.3608	0.3228	1.13 B	38.6	46.6	45.4	31.7	17.2	7.808	3.528
9	1.43 B	0.8058	0.3528	0.3228	1.43 B	37.0	49.0	48.1	32.7	16.5	7.458	3.488
10	1.40 B	0.7848	0.3458	0.3228	2.21 B	36.0	48.6	48.4	32.5	15.5	7.188	3.408
11	1.37 B	0.7618	0.3378	0.3228	33.1 B	33.1	49.6	42.5	31.6	17.0	6.858	3.388
12	1.34 B	0.7308	0.3308	0.3228	81.6 B	33.6	48.0	41.3	30.7	19.6	6.558	3.308
13	1.31 B	0.7088	0.3228	0.3228	137	33.6	47.3	38.6	29.6	17.8	6.288	3.248
14	1.28 B	0.6878	0.3148	0.3228	150	31.3	45.2	38.0	28.4	17.2	6.108	3.208
15	1.25 B	0.6688	0.3078	0.3228	153	30.4	43.4	40.3	28.5	17.3	5.808	3.188
16	1.22 B	0.6788	0.2988	0.3228	155	30.8	42.4	42.8	27.7	16.8	5.858	3.108
17	1.20 B	0.6658	0.2928	0.3228	154	30.4	41.0	43.3	27.1	16.8	5.808	3.048
18	1.18 B	0.6548	0.2848	0.3228	155	31.3	38.8	43.1	26.1	16.6	5.378	3.008
19	1.17 B	0.6328	0.2848	0.3228	152	32.7	41.7	42.4	25.4	16.2	5.138	2.988
20	1.16 B	0.8118	0.2848	0.3228	157	33.7	42.6	47.8	24.7	16.1	4.878	2.908
21	1.15 B	0.8808	0.2768	0.3228	151	34.3	43.1	52.4	24.1	16.0	4.788	2.848
22	1.13 B	0.8718	0.2788	0.3228	144	32.5	41.9	56.1	23.6	15.6	4.638	2.808
23	1.12 B	0.8628	0.2768	0.3228	136	30.7	42.8	54.1	23.2	15.6	4.508	2.768
24	1.11 B	0.8528	0.2768	0.3228	132	29.7	44.0	53.4	22.5	15.6	4.438	2.728
25	1.08 B	0.8428	0.2848	0.3228	125	29.6	48.1	52.0	21.8	15.3	4.378	2.688
26	1.07 B	0.8338	0.2848	0.3308	117	29.8	48.0	49.3	21.1	15.1	4.308	2.648
27	1.04 B	0.8148	0.2828	0.3308	108	29.1	47.8	48.3	20.3	14.4	4.208	2.608
28	1.03 B	0.4848	0.2928	0.3378	99.5	29.0	47.6	46.2	19.8	14.8	4.138	2.568
29	1.00 B		0.2988	0.3378	90.8	29.2	47.1	45.0	19.3	13.58	4.008	2.568
30	0.9788		0.3078	0.3458	82.1	29.5	46.3	43.1	19.8	12.98	3.988	2.548
31	0.9628		0.3148		73.7		45.9	41.3		12.38		2.528
TOTAL	39.818	19.889	10.219	9.721	2 631.222	1 088.1	1 308.4	1 381.6	844.0	514.4	192.84	97.12
MEAN	1.28	0.710	0.330	0.324	84.9	36.6	42.2	44.9	28.1	16.6	6.42	3.13
MAX	1.75	0.949	0.475	0.345	155	67.1	48.6	56.1	38.4	19.6	11.5	3.90
MIN	0.962	0.484	0.276	0.314	0.352	29.0	26.7	38.9	19.3	12.3	3.96	2.52

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.3
MAXIMUM DAILY, 155 ON MAY 18
MINIMUM DAILY, 0.2768 ON MAR 21
MAXIMUM INSTANTANEOUS,
155 AT 00:25 CST ON MAY 18

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 20 40 N
LONG 94 41 00 W
DRAINAGE AREA, 1 950 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 420	JUL	113 000
FEB	1 720	AUG	120 000
MAR	882	SEP	73 900
APR	840	OCT	44 400
MAY	227 000	NOV	16 600
JUN	94 900	DEC	8 390

TOTAL DISCHARGE, 704 000 dam

KILLARNEY LAKE AT KILLARNEY - STATION NO. 05OA803

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	492.222	492.213E	492.203E	492.652E	492.633E	492.484	492.350E	492.358E	492.213	492.178	492.113E	492.132E
2	492.222E	492.213	492.203	492.660	492.615E	492.458E	492.343	492.356E	492.216E	492.176E	492.108	492.131
3	492.222E	492.213E	492.203E	492.655E	492.587E	492.451E	---	492.353	492.219E	492.173E	492.108E	492.121
4	492.222E	492.213E	492.203E	492.650E	492.579	492.444	---	492.350E	492.223	492.171E	492.108E	492.121E
5	492.222	492.213	492.203	492.645E	492.582E	492.437E	---	492.347E	492.217E	492.168	492.108	492.121E
6	492.223E	492.213E	492.227	492.640	492.605E	492.429E	---	492.343	492.210E	492.168E	492.106E	492.121E
7	492.224E	492.213E	492.226E	492.634E	492.619	492.422E	---	492.338E	492.203	492.168E	492.103E	492.121
8	492.225	492.213E	492.224E	492.627E	492.631E	492.414	---	492.328E	492.200E	492.166	492.101E	492.121E
9	492.225E	492.213	492.222	492.620	492.643E	492.404E	492.353	492.321E	492.187E	492.165E	492.096	492.121E
10	492.224E	492.213E	492.228E	492.608E	492.655E	492.394E	492.363E	492.313	492.183	492.163E	492.098E	492.121
11	492.224E	492.213E	492.235E	492.785E	492.668	492.384	492.373E	492.313E	492.186E	492.161E	492.098E	492.120E
12	492.223	492.213	492.242	492.763E	492.658E	492.364E	492.383E	492.313E	492.183E	492.156	492.096	492.118E
13	492.223E	492.211E	492.257E	492.770	492.648E	492.384E	492.393	492.313	492.178E	492.158E	492.098E	492.117E
14	492.223E	492.208E	492.272E	---	492.637	492.384E	492.386E	492.306E	492.173	492.158E	492.098E	492.115
15	492.223	492.208E	492.287E	---	492.625E	492.384	492.389E	492.298E	492.173E	492.158	492.098E	492.114E
16	492.223E	492.203	492.302	---	492.612E	492.378E	492.403	492.291E	492.173E	492.156E	492.096	492.113E
17	492.223E	492.203E	492.418E	---	492.598E	492.371E	492.386E	492.283	492.173	492.153E	492.110E	492.111
18	492.223E	492.203E	492.535E	---	492.586	492.364	492.383E	492.273E	492.173E	492.151E	492.122E	492.121
19	492.223	492.203	492.652	---	492.570E	492.371E	492.388E	492.263E	492.172E	492.148	492.134	492.118E
20	492.223E	492.203E	492.697E	492.660	492.553E	492.378E	492.383	492.253	492.171E	492.148E	492.134E	492.115E
21	492.223E	492.203E	492.742E	492.647E	492.535	492.385E	492.377E	492.253E	492.171E	492.148E	492.134E	492.111
22	492.223	492.203E	492.787E	492.634E	492.531E	492.394	492.370E	492.253E	492.170E	492.148E	492.134E	492.111E
23	492.223E	492.203E	492.832	492.620	492.528E	492.384E	492.363	492.253E	492.169E	492.148	492.133	492.111E
24	492.223E	492.203E	492.781E	492.795E	492.521E	492.374E	492.361E	492.253	492.168	492.145E	492.133E	492.111
25	492.223E	492.203E	492.730	492.770E	492.515	492.364	492.358E	492.250E	492.170E	492.142E	492.133E	492.111E
26	492.223	492.203E	492.780	492.745E	492.512E	492.364E	492.368E	492.247E	492.173E	492.138	492.133	492.111E
27	492.220E	492.203E	492.795E	492.720	492.508E	492.364E	492.353	492.243	492.178E	492.135E	492.133E	492.111E
28	492.217E	492.203E	492.810E	492.697E	492.504	492.364E	492.356E	492.237E	492.176	492.132E	492.133E	492.111
29	492.213		492.825E	492.674E	492.494E	492.364	492.358E	492.231E	492.180E	492.126	492.133E	492.111E
30	492.213E		492.840	492.650	492.484E	492.357E	492.363	492.225E	492.183	492.123E	492.132	492.111E
31	492.213E		492.846E		492.474E		492.361E	492.219E		492.118E		492.111
MEAN	492.222	492.208	492.478	---	492.578	492.394	---	492.280	492.186	492.153	492.116	492.117
MAX	492.225	492.213	492.846	---	492.668	492.484	---	492.358	492.223	492.178	492.134	492.132
MIN	492.213	492.203	492.203	---	492.474	492.357	---	492.219	492.168	492.118	492.098	492.111

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 30 N
LONG 99 40 12 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISKITTO LAKE NEAR NORWAY HOUSE - STATION NO. 05UB013

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	213.293	213.212	213.186	213.104	213.157	213.305	213.288	213.304	213.225	213.177	213.135	213.085	1
2	213.287	213.210	213.186	213.100	213.162	213.307	213.278	213.309	213.23*	213.165	213.134	213.084	2
3	213.293	213.208	213.183	213.100	213.161	213.286	213.273	213.314	213.246	213.166	213.130	213.081	3
4	213.288	213.207	213.188	213.104	213.168	213.286	213.277	213.323	213.232	213.165	213.136	213.077	4
5	213.278	213.202	213.138	213.100	213.178	213.300	213.291	213.324	213.237	213.166	213.144	213.074	5
6	213.276	213.203	213.133	213.095	213.185	213.282	213.274	213.331	213.234	213.160	213.143	213.071	6
7	213.280	213.200	213.131	213.092	213.195	213.286	213.327	213.335	213.220	213.166	213.132	213.070	7
8	213.289	213.188	213.127	213.086	213.205	213.282	213.309	213.333	213.211	213.169	213.121	213.073	8
9	213.287	213.175	213.131	213.081	213.206	213.273	213.301	213.311	213.205	213.169	213.115	213.075	9
10	213.284	213.174	213.138	213.087	213.222	213.275	213.304	213.333	213.193	213.155	213.114	213.076	10
11	213.282	213.174	213.124	213.084	213.240	213.283	213.285	213.336	213.186	213.163	213.110	213.077	11
12	213.276	213.173	213.123	213.103	213.243	213.321	213.307	213.335	213.186	213.160	213.106	213.076	12
13	213.270	213.167	213.127	213.109	213.252	213.327	213.307	213.317	213.183	213.161	213.113	213.071	13
14	213.265	213.165	213.131	213.098	213.256	213.333	213.299	213.316	213.185	213.163	213.106	213.065	14
15	213.267	213.160	213.138	213.103	213.259E	213.306	213.309	213.330	213.186	213.167	213.102	213.064	15
16	213.259	213.155	213.129	213.106	213.288E	213.312	213.303	213.330	213.178	213.156	213.103	213.068	16
17	213.256	213.161	213.126	213.101	213.273E	213.303	213.286	213.311	213.182	213.161	213.105	213.067	17
18	213.255	213.155	213.113	213.104	213.280E	213.308	213.326	213.318	213.182	213.159	213.107	213.070	18
19	213.251	213.155	213.106	213.101	213.287E	213.306	213.295	213.313	213.183	213.154	213.102	213.063	19
20	213.252	213.147	213.107	213.100	213.294E	213.320	213.293	213.319	213.175	213.152	213.096	213.060	20
21	213.245	213.140	213.109	213.097	213.301E	213.316	213.284	213.295	213.170	213.151	213.089	213.061	21
22	213.239	213.144	213.111	213.103	213.308A	213.303	213.281	213.295	213.187	213.135	213.094	213.065	22
23	213.234	213.141	213.109	213.118	213.305	213.301	213.272	213.306	213.182	213.150	213.092	213.065	23
24	213.233	213.137	213.110	213.127	213.304	213.309	213.276	213.292	213.134	213.158	213.099	213.054	24
25	213.235	213.146	213.113	213.130	213.312	213.311	213.282	213.259	213.035	213.156	213.098	213.039	25
26	213.224	213.145	213.112	213.132	213.315	213.307	213.262	213.263	213.109	213.143	213.095	213.042	26
27	213.235	213.153	213.120	213.136	213.318	213.307	213.267	213.263	213.152	213.131	213.088	213.042	27
28	213.220	213.162	213.117	213.152	213.319	213.279	213.256	213.258	213.163	213.140	213.081	213.042	28
29	213.210		213.110	213.172	213.305	213.286	213.295	213.256	213.176	213.131	213.081	213.040	29
30	213.207		213.113	213.183	213.277	213.284	213.289	213.257	213.161	213.143	213.085	213.037	30
31	213.208		213.105		213.285		213.311	213.245		213.137		213.036	31
MEAN	213.256	213.170	213.126	213.111	213.253	213.302	213.294	213.304	213.185	213.155	213.109	213.063	MEAN
MAX	213.293	213.212	213.186	213.172	213.319	213.333	213.374	213.336	213.248	213.180	213.144	213.085	MAX
MIN	213.206	213.137	213.105	213.087	213.157	213.273	213.256	213.245	213.035	213.131	213.081	213.036	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 213.195
MAXIMUM DAILY, 213.374 ON JUL 6
MINIMUM DAILY, 213.035 ON SEP 25
MAXIMUM INSTANTANEOUS,
213.410 AT 20:00 CST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 18 10 N
LONG 98 26 20 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

KISKITTOGISU LAKE NEAR NORWAY HOUSE - STATION NO. 05UB007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	216.221	216.188	216.082	216.237	216.712	217.181	217.514	217.333	217.313	216.971	215.985	1
2	---	216.221	216.169	216.081	216.231	216.733	217.185	217.471	217.372	217.241	216.443	215.983	2
3	---	216.218	216.154	216.109	216.230	216.730	217.213	217.512	217.480	217.216	216.394	215.984	3
4	---	216.214	216.140	216.108	216.248	216.707	217.267	217.556	217.320	217.272	216.410	215.984	4
5	---	216.209	216.140	216.118	216.272	216.724	217.308	217.591	217.061	217.187	216.484	215.985	5
6	---	216.207	216.139	216.130	216.281	216.725	217.315	217.532	217.066	217.193	216.484	215.979	6
7	---	216.198	216.137	216.147	216.285	216.666	217.215	217.539	217.115	217.177	216.521	215.973	7
8	---	216.182	216.136	216.166	216.355	216.621	217.182	217.597	217.058	217.058	216.566	215.971	8
9	---	216.173	216.137	216.174	216.428	216.631	217.205	217.481	217.188	217.094	216.485	215.974	9
10	---	216.169	216.138	216.182	216.514	216.652	217.269	217.445	217.277	217.191	216.387	215.971	10
11	---	216.164	216.134	216.188	216.586	216.720	217.380	217.490	217.297	216.964	216.395	215.968	11
12	---	216.158	216.133	216.203	216.663	216.717	217.467	217.500	217.218	217.109	216.412	215.975	12
13	---	216.158	216.136	216.201	216.704	216.643	217.511	217.522	217.166	217.141	216.413	215.974	13
14	---	216.172	216.136	216.198	216.737	216.607	217.565	217.533	217.221	217.131	216.401	215.967	14
15	---	216.173	216.134	216.195	216.784	216.577	217.635	217.541	217.234	217.133	216.400	215.958	15
16	---	216.174	216.127	216.191	216.763	216.583	217.618	217.565	217.305	217.173	216.384	215.967	16
17	---	216.180	216.120	216.187	216.734	216.642	217.580	217.462	217.362	217.237	216.353	215.971	17
18	---	216.182	216.106	216.190	216.720	216.784	217.635	217.532	217.351	217.384	216.302	215.968	18
19	---	216.177	216.101	216.193	216.734	216.888	217.557	217.528	217.340	217.288	216.246	215.960	19
20	---	216.173	216.086	216.180	216.777	216.863	217.527	217.440	217.380	217.256	216.193	215.950	20
21	---	216.176	216.100	216.168	216.803	217.026	217.526	217.393	217.375	217.304	216.143	215.947	21
22	---	216.177	216.102	216.170	216.787	217.064	217.589	217.440	217.396	217.107	216.110	215.953	22
23	---	216.176	216.095	216.178	216.772	217.065	217.627	217.506	217.383	217.083	216.080	215.950	23
24	---	216.176	216.082	216.187	216.747	217.124	217.604	217.509	217.367	217.072	216.089	215.944	24
25	---	216.182	216.089	216.187	216.735	217.177	217.583	217.486	217.255	217.102	216.083	215.928	25
26	---	216.185	216.083	216.215	216.734	217.187	217.614	217.333	217.268	217.114	216.049	215.934	26
27	---	216.177	216.085	216.227	216.736	217.187	217.584	217.359	217.340	217.088	216.034	215.934	27
28	216.215A	216.171	216.074	216.240	216.733	217.135	217.589	217.391	217.347	216.886	216.022	215.932	28
29	216.213		216.070	216.254	216.743	217.118	217.618	217.450	217.359	216.742	216.010	215.927	29
30	216.212		216.067	216.246	216.701	217.185	217.654	217.529	217.354	216.762	216.001	215.923	30
31	216.216		216.077		216.706		217.555	217.433		216.686		215.913	31
MEAN	---	216.184	216.117	216.178	216.585	216.842	217.481	217.515	217.288	217.112	216.293	215.960	MEAN
MAX	---	216.221	216.188	216.254	216.803	217.187	217.654	217.541	217.480	217.313	216.971	215.985	MAX
MIN	---	216.164	216.067	216.082	216.230	216.577	217.181	217.333	217.061	216.EEE	216.001	215.913	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.654 ON JUL 30
MINIMUM DAILY, 215.913 ON DEC 31
MAXIMUM INSTANTANEOUS,
217.689 AT 09:30 CST ON JUL 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 46 N
LONG 98 07 27 W

A - MANUAL GAUGE

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1986 ADJ.)

KISSISSING LAKE AT COLD LAKE - STATION NO. 05EA009

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30.321	30.286	30.278	30.238	30.292	30.500	30.458	30.534	30.432	30.361	30.331	30.293
2	30.318	30.289	30.278	30.232	30.282	30.502	30.460	30.531	30.429	30.378	30.313	30.302
3	30.321	30.288	30.271	30.226	30.287	30.506	30.462	30.531	30.438	30.368	30.310	30.297
4	30.319	30.282	30.262	30.225	30.301	30.487	30.485	30.526	30.429	30.376	30.310	30.290
5	30.317	30.290	30.263	30.223	30.307	30.487	30.488	30.526	30.428	30.370	30.315	30.285
6	30.307	30.287	30.254	30.228	30.318	30.485	30.504	30.528	30.428	30.374	30.308	30.284
7	30.305	30.288	30.255	30.227	30.326	30.487	30.490	30.534	30.426	30.383	30.302	30.290
8	30.314	30.283	30.251	30.226	30.333	30.478	30.482	30.534	30.410	30.378	30.304	30.301
9	30.318	30.281	30.253	30.232	30.335	30.473	30.478	30.535	30.408	30.361	30.300	30.303
10	30.307	30.281	30.256	30.236	30.344	30.488	30.476	30.530	30.398	30.378	30.289	30.300
11	30.320	30.282	30.258	30.239	30.348	30.471	30.488	30.528	30.398	30.361	30.298	30.302
12	30.318	30.281	30.255	30.241	30.378	30.503	30.487	30.528	30.400	30.358	30.295	30.294
13	30.315	30.278	30.255	30.245	30.388	30.498	30.473	30.529	30.398	30.363	30.293	30.295
14	30.318	30.275	30.254	30.245	30.395	30.487	30.474	30.528	30.392	30.350	30.294	30.298
15	30.318	30.272	30.255	30.245	30.414	30.488	30.481	30.531	30.388	30.353	30.289	30.297
16	30.317	30.271	30.258	30.240	30.428	30.488	30.480	30.535	30.388	30.348	30.292	30.296
17	30.318	30.272	30.255	30.242	30.435	30.489	30.470	30.508	30.395	30.347	30.287	30.294
18	30.310	30.268	30.244	30.251	30.447	30.489	30.490	30.505	30.390	30.348	30.288	30.287
19	30.313	30.262	30.236	30.252	30.460	30.471	30.488	30.511	30.388	30.348	30.288	30.292
20	30.313	30.262	30.234	30.246	30.473	30.488	30.485	30.511	30.387	30.344	30.284	30.288
21	30.304	30.248	30.239	30.248	30.477	30.487	30.488	30.488	30.383	30.345	30.286	30.288
22	30.297	30.247	30.239	30.254	30.472	30.480	30.471	30.488	30.385	30.340	30.287	30.283
23	30.286	30.247	30.233	30.256	30.478	30.472	30.481	30.473	30.384	30.341	30.282	30.274
24	30.302	30.241	30.235	30.262	30.488	30.481	30.503	30.472	30.373	30.338	30.293	30.280
25	30.305	30.254	30.248	30.272	30.490	30.485	30.500	30.467	30.331	30.331	30.288	30.270
26	30.295	30.268	30.243	30.278	30.488	30.482	30.508	30.458	30.343	30.337	30.290	30.272
27	30.288	30.258	30.244	30.277	30.483	30.486	30.488	30.449	30.372	30.327	30.296	30.274
28	30.305	30.270	30.251	30.280	30.510	30.481	30.486	30.450	30.380	30.343	30.287	30.273
29	30.300		30.253	30.289	30.495	30.474	30.507	30.452	30.382	30.332	30.283	30.288
30	30.282		30.247	30.291	30.481	30.474	30.508	30.462	30.387	30.328	30.288	30.271
31	30.291		30.243		30.487		30.526	30.454		30.336		30.265
MEAN	30.308	30.272	30.251	30.248	30.410	30.487	30.484	30.504	30.396	30.353	30.298	30.288
MAX	30.321	30.289	30.278	30.291	30.510	30.506	30.526	30.535	30.438	30.383	30.331	30.303
MIN	30.286	30.241	30.232	30.223	30.292	30.488	30.450	30.449	30.331	30.326	30.282	30.265

WATER LEVELS IN METRES

MEAN, 30.359
MAXIMUM DAILY, 30.535 ON AUG 8
MINIMUM DAILY, 30.223 ON APR 5
MAXIMUM INSTANTANEOUS,
30.550 AT 21:00 CST ON AUG 14

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 07 50 N
LONG 101 08 50 W

KRONSGART DRAIN NEAR SEWELL - STATION NO. 05OCO24

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	4.21	0.205	0	0	---	---	---	---	---
2	---	---	0 B	2.84	0.091	0	0	---	---	---	---	---
3	---	---	0 B	1.52	0.043	0	0	---	---	---	---	---
4	---	---	0 B	0.808	0.024	0	0	---	---	---	---	---
5	---	---	0 B	0.380	0.012A	0	0	---	---	---	---	---
6	---	---	0 B	0.200	0.048	0	0	---	---	---	---	---
7	---	---	0 B	0.134	0.087	0	0	---	---	---	---	---
8	---	---	0 B	0.098	0.054	0	0	---	---	---	---	---
9	---	---	0 B	0.077	0.024	0	0A	---	---	---	---	---
10	---	---	0 B	0.049	0.010	0	---	---	---	---	---	---
11	---	---	0 B	0.028	0	0	---	---	---	---	---	---
12	---	---	0 B	0.017	0	0	---	---	---	---	---	---
13	---	---	0 B	0.009	0	0	---	---	---	---	---	---
14	---	---	0 B	0.002	0.108	0	---	---	---	---	---	---
15	---	---	0 B	0.001	0.080	0	---	---	---	---	---	---
16	---	---	0 B	0.005	0.032	0	---	---	---	---	---	---
17	---	---	0 B	0.027	0.010	0	---	---	---	---	---	---
18	---	---	0 B	0.066	0.001	0	---	---	---	---	---	---
19	---	---	0 B	0.241	0	0	---	---	---	---	---	---
20	---	---	0 B	0.203	0	0	---	---	---	---	---	---
21	---	---	0 B	0.108	0	0	---	---	---	---	---	---
22	---	---	0 B	0.066	0	0	---	---	---	---	---	---
23	---	---	0 B	0.055	0	0	---	---	---	---	---	---
24	---	---	0 B	0.040	0	0	---	---	---	---	---	---
25	---	---	0 B	0.022	0	0	---	---	---	---	---	---
26	---	---	0 B	0.047	0	0	---	---	---	---	---	---
27	---	---	0 B	0.072	0	0	---	---	---	---	---	---
28	---	---	0.131B	0.108	0	0	---	---	---	---	---	---
29	---		1.50 B	0.092	0	0	---	---	---	---	---	---
30	---		4.00 B	0.105	0	0	---	---	---	---	---	---
31	---		5.88 B		0		---			---		---
TOTAL	---	---	11.511	11.347	0.844	0	---	---	---	---	---	---
MEAN	---	---	0.371	0.378	0.027	0	---	---	---	---	---	---
MAX	---	---	5.88	4.21	0.205	0	---	---	---	---	---	---
MIN	---	---	0	0.001	0	0	---	---	---	---	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.194
MAXIMUM DAILY, 5.88B ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.33 AT 12:46 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 97 30 20 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	995	SEP	---
APR	980	OCT	---
MAY	72.9	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 050 dam³

LA SALLE RIVER ABOVE ELIE DAM - STATION NO. 05OC807

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	239.839	239.072	239.185	239.288	238.927	238.791	---	---	1
2	---	---	---	---	239.793E	239.062	239.162	238.261E	238.928E	238.919	---	---	2
3	---	---	---	---	239.747	239.078	239.218	239.254	238.924E	239.109	---	---	3
4	---	---	---	---	239.670E	239.086	239.232	239.260	238.923E	239.108E	---	---	4
5	---	---	---	---	239.593	239.082	239.202E	239.235	238.921	239.106	---	---	5
6	---	---	---	238.773	239.677E	239.085E	239.172	239.216	238.915	239.117E	---	---	6
7	---	---	---	238.527	240.181	239.108	239.182	239.188	238.909	239.128E	---	---	7
8	---	---	---	238.649	239.638E	239.082	239.156	239.179	238.895	239.140E	---	---	8
9	---	---	---	238.507	239.510	239.078	239.185E	239.175	238.873	239.151E	---	---	9
10	---	---	---	---	239.298	239.072	239.214	239.169	238.897E	239.163E	---	---	10
11	---	---	---	---	239.340E	239.062E	239.355	239.141	238.921E	239.174E	---	---	11
12	---	---	---	---	239.382	239.052	239.341E	239.133	238.946	239.186	---	---	12
13	---	---	---	---	239.292E	239.034	239.326	239.087	238.933	239.185E	---	---	13
14	---	---	---	---	239.202E	239.027E	239.298	239.095	238.911E	239.144E	---	---	14
15	---	---	---	---	239.111	239.020E	239.284	239.088E	238.888E	239.123	---	---	15
16	---	---	---	---	239.049	239.013E	239.272	239.081E	238.868E	239.113	---	---	16
17	---	---	---	---	239.037E	239.006	239.268	239.073	238.843E	239.110	---	---	17
18	---	---	---	---	239.025E	239.014	239.270E	239.147	238.820E	239.105E	---	---	18
19	---	---	---	---	239.012	239.010	239.272	239.143E	238.797	239.100	---	---	19
20	---	---	---	---	238.986	239.028E	239.254E	239.138E	238.788E	239.102E	---	---	20
21	---	---	---	238.957	239.143	239.046	239.236	239.133	238.781E	239.104	---	---	21
22	---	---	---	238.953	239.147	239.040	239.228	239.082E	238.773	239.104E	---	---	22
23	---	---	---	238.957	239.141	239.028E	239.218	239.031E	238.768E	239.105E	---	---	23
24	---	---	---	238.958E	239.147	239.018	239.242	238.979	238.763	239.105E	---	---	24
25	---	---	---	238.959	239.208	239.002	239.254	238.987	238.771E	239.108E	---	---	25
26	---	---	---	238.948E	239.200	239.018	239.241E	238.954E	238.779	239.106E	---	---	26
27	---	---	---	238.937	239.171E	239.136	239.228	238.941	238.775E	239.107E	---	---	27
28	---	---	---	238.863	239.142	239.154	239.220	238.923	238.771	239.107E	---	---	28
29	---	---	---	239.255E	239.122	239.163E	239.245	238.927E	238.779E	239.108	---	---	29
30	---	---	---	239.547E	239.105E	239.172	239.264	238.931	238.787	239.110E	---	---	30
31	---	---	---		239.088		239.258	238.929E		239.112		---	31
MEAN	---	---	---	---	239.335	239.082	239.240	239.101	238.852	239.104	---	---	MEAN
MAX	---	---	---	---	240.181	239.172	239.355	239.268	238.946	239.186	---	---	MAX
MIN	---	---	---	---	238.986	239.002	239.185	238.923	238.763	238.781	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 54 05 N
LONG 97 45 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE HOGUE'S DAM - STATION NO. 05OC802

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	232.849	229.843	229.545E	229.545E	229.608	229.488	229.586E	229.586E	---	1
2	---	---	---	233.078	229.841E	229.543	229.568	229.602E	229.473E	229.585E	229.585E	---	2
3	---	---	---	232.864	229.939E	229.541E	229.583E	229.595E	229.478	229.585E	229.584	---	3
4	---	---	---	232.529	229.837E	229.538	229.558	229.588	229.481E	229.584E	229.583E	---	4
5	---	---	---	---	229.935	229.531E	---	229.583E	229.484	229.584E	229.582	---	5
6	---	---	---	---	230.038	229.523	---	229.578	229.484E	229.583	229.583E	---	6
7	---	---	---	---	230.038	229.530E	229.578	229.578E	229.485E	229.584E	229.584	---	7
8	---	---	---	---	---	229.538E	229.688E	229.578	229.486	229.585	---	---	8
9	---	---	---	---	---	229.546	229.698	229.565E	229.483E	229.585E	---	---	9
10	---	---	---	---	---	229.545E	---	229.552E	229.480	229.585	---	---	10
11	---	---	---	---	---	229.544	---	229.538	229.477E	229.585E	---	---	11
12	---	---	---	---	---	229.541E	---	229.537E	229.473	229.586E	---	---	12
13	---	---	---	---	---	229.537	---	229.536	229.472E	229.587	---	---	13
14	---	---	---	---	---	229.532E	---	229.527E	229.470E	229.587E	---	---	14
15	---	---	---	---	---	229.527E	---	229.517	229.468	229.588	---	---	15
16	229.484	---	---	---	---	229.522	---	229.517E	229.473E	229.589E	---	---	16
17	---	---	---	---	---	229.520E	---	229.517E	229.479	229.591	---	---	17
18	---	---	---	---	---	229.517	229.702	229.516	229.486E	229.591E	---	---	18
19	---	---	---	---	---	229.517E	---	229.511E	229.493	229.591E	---	---	19
20	---	---	---	---	---	229.516	---	229.505	229.498E	229.591	---	---	20
21	---	---	---	---	---	229.518E	229.658	229.498E	229.503E	229.591E	---	---	21
22	---	---	---	---	---	229.516E	229.643E	229.491	229.508	229.592	---	---	22
23	---	---	---	---	229.807	229.515	229.628	229.488E	229.523E	229.592E	---	---	23
24	---	---	---	---	229.801E	229.515E	229.623E	229.487E	229.538	229.592	---	---	24
25	---	---	---	---	229.595E	229.514	229.618	229.485E	229.563E	229.591E	---	---	25
26	---	---	---	---	229.588	229.514E	---	229.482E	229.588	229.590E	---	---	26
27	---	---	229.978	---	229.578E	229.513	---	229.480E	229.588E	229.588	---	---	27
28	---	---	230.505	---	229.588	229.516E	229.618	229.478E	229.587E	229.588E	---	---	28
29	---	---	231.401	229.778	229.558E	229.518E	229.616E	229.475E	229.587E	229.588	---	---	29
30	---	---	231.868	229.943	229.568	229.522	229.613	229.473E	229.586E	229.587E	---	---	30
31	---	---	232.529		229.547E		229.611E	229.471E		229.586		---	31
MEAN	---	---	---	---	---	229.527	---	229.526	229.505	229.588	---	---	MEAN
MAX	---	---	---	---	---	229.546	---	229.608	229.588	229.592	---	---	MAX
MIN	---	---	---	---	---	229.513	---	229.471	229.468	229.583	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 02 N
LONG 97 20 57 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE LEWKO'S DAM - STATION NO. 05OG803

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	233.837	---	230.854E	230.844E	230.928	230.803	230.843	---	---
2	---	---	---	234.158	---	230.844	230.844	230.923E	230.808E	230.843E	---	---
3	---	---	---	233.928	---	230.851E	230.888E	230.918E	230.813	230.843	---	---
4	---	---	---	233.620	---	230.859	230.889	230.909	230.813E	230.843E	---	---
5	---	---	---	---	231.304	230.859E	230.889E	230.907E	230.813	230.843E	---	---
6	---	---	---	---	231.304E	230.859	230.889E	230.904	230.810E	230.843	---	---
7	---	---	---	---	231.304E	230.859E	230.889	230.898E	230.807E	230.843E	---	---
8	---	---	---	---	231.304E	230.859E	230.889E	230.893	230.803	230.843	---	---
9	---	---	---	---	231.304E	230.859	230.889	230.877E	230.803E	230.843E	---	---
10	---	---	---	---	231.304E	230.859E	230.974E	230.880E	230.803	230.843	---	---
11	---	---	---	---	231.304E	230.859	231.059	230.843	230.803E	230.843E	---	---
12	---	---	---	---	231.304	230.852E	231.120E	230.843E	230.803	230.843E	---	---
13	---	---	---	---	231.189E	230.844	231.182E	230.843	230.803E	230.843	---	---
14	---	---	---	---	231.094	230.811E	231.244	230.843E	230.803E	230.843E	---	---
15	---	---	---	---	231.084E	230.778E	231.184E	230.843	230.803	230.843	---	---
16	---	---	---	---	231.084	230.744	231.124	230.837E	230.808E	230.843E	---	---
17	---	---	---	---	231.059E	230.744E	231.072E	230.830E	230.808	230.843	---	---
18	---	---	---	---	231.024E	230.744	231.019	230.823	230.808E	---	---	---
19	---	---	---	---	230.989	230.744E	231.008E	230.821E	230.808	---	---	---
20	---	---	---	---	230.967E	230.744	230.988E	230.818	230.808E	---	---	---
21	---	---	---	---	230.944	230.744E	230.984	230.818E	230.808E	---	---	---
22	---	---	---	---	230.944E	230.744E	230.959E	230.813	230.808	---	---	---
23	---	---	---	---	230.944	230.744	230.934	230.812E	230.810E	---	---	---
24	---	---	---	---	230.930E	230.784E	230.934E	230.810E	230.813	---	---	---
25	---	---	---	---	230.916E	230.844	230.934	230.808	230.818E	---	---	---
26	---	---	---	---	230.902	230.844E	230.933E	230.808E	230.823	---	---	---
27	---	---	231.983	---	230.883E	230.844	230.931E	230.803	230.828E	---	---	---
28	---	---	231.873	---	230.884	230.844E	230.929	230.803E	230.836E	---	---	---
29	---		232.698	231.148	230.879E	230.844E	230.927E	230.803	230.843	---	---	---
30	---		233.309	231.214	230.874	230.844	230.924	230.803E	230.843E	---	---	---
31	---		233.702		230.864E		230.926E	230.803E		---		---
MEAN	---	---	---	---	---	230.817	230.974	230.846	230.812	---	---	---
MAX	---	---	---	---	---	230.859	231.244	230.928	230.843	---	---	---
MIN	---	---	---	---	---	230.744	230.844	230.803	230.803	---	---	---

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 39 05 N
LONG 97 23 23 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE ST. NORBERT DAM - STATION NO. 05OG804

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	230.151	---	225.981	226.048	226.232E	225.928E	225.988	---	---
2	---	---	---	230.385	---	226.066	226.121	226.221E	225.918	---	---	---
3	---	---	---	230.304	---	226.246	226.121	226.209E	225.916E	---	---	---
4	---	---	---	230.030	---	226.396	226.136	226.198E	225.918E	---	---	---
5	---	---	---	---	---	226.246	226.136	226.186	225.916E	---	---	---
6	---	---	---	---	---	226.091	226.146	226.178	225.918	---	---	---
7	---	---	---	---	---	226.066	226.186	226.178E	225.906E	---	---	---
8	---	---	---	---	---	226.246	226.161	226.176	225.898E	226.048	---	---
9	---	---	---	---	---	226.096	226.149E	226.166E	225.886	---	---	---
10	---	---	---	---	---	226.096	226.136	226.156	225.884E	---	---	---
11	---	---	---	---	---	226.098	226.181	226.136	225.881E	---	---	---
12	---	---	---	---	---	226.098	226.461	226.116	225.878E	---	---	---
13	---	---	---	---	---	226.088	226.646	226.108E	225.876	---	---	---
14	---	---	---	---	---	226.066	226.646	226.098E	225.876	---	---	---
15	---	---	---	---	---	226.088E	226.511E	226.088	225.873E	---	---	---
16	---	---	---	---	---	226.088	226.476	226.076	225.870E	---	---	---
17	---	---	---	---	---	226.088	226.446	226.061E	225.868	---	---	---
18	---	---	---	---	---	226.046	226.398E	226.046	225.868	---	---	---
19	---	---	---	---	227.048	225.898	226.346	226.048E	225.868	---	---	---
20	---	---	---	---	227.048	226.098	226.296	226.048	225.868E	---	---	---
21	---	---	---	---	226.884	226.196	226.278	226.028E	225.868	---	---	---
22	---	---	---	---	226.888	226.096	226.256	226.011E	225.868E	---	---	---
23	---	---	---	---	226.771	226.071E	226.253E	225.994E	225.871E	---	---	---
24	---	---	---	---	226.881	226.048	226.250E	225.976	225.873E	---	---	---
25	---	---	---	227.078	226.526	226.121E	226.246	225.971E	225.876	---	---	---
26	---	---	---	227.048	226.296	226.198	226.246	225.966	225.881E	---	---	---
27	---	---	226.895	227.056	225.996	226.096	226.256	225.960E	225.886	---	---	---
28	---	---	227.380	---	225.889	226.048	226.281	225.954E	225.901E	---	---	---
29	---		228.646	227.246	225.741	226.086	226.286	225.948E	225.918	---	---	---
30	---		229.258	---	225.446	226.086	226.256E	225.942E	225.986	---	---	---
31	---		229.847		225.836		226.244E	225.936		---		---
MEAN	---	---	---	---	---	226.112	226.274	226.077	225.890	---	---	---
MAX	---	---	---	---	---	226.396	226.646	226.232	225.988	---	---	---
MIN	---	---	---	---	---	225.981	226.046	225.936	225.868	---	---	---

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 17 N
LONG 97 14 36 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT HAMPSONS DAM - STATION NO. 05OGB01

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	236.531	---	233.287E	233.320	233.345E	233.210	233.300	233.380	---	1
2	---	---	---	236.406	---	233.280	233.320E	233.350	233.205E	233.305E	---	---	2
3	---	---	---	236.226	---	233.280E	233.320	233.350E	233.200	233.310	---	---	3
4	---	---	---	235.976	---	233.280	233.320E	233.350	233.200E	233.313E	---	---	4
5	---	---	---	---	---	233.280E	233.320	233.350E	233.200	233.318E	---	---	5
6	---	---	---	---	---	233.280	233.315E	233.350	233.203E	233.320	---	---	6
7	---	---	---	---	---	233.280E	233.310	233.333E	233.208E	233.315E	---	---	7
8	---	---	---	---	---	233.280E	233.310E	233.315	233.210	233.310	---	---	8
9	---	---	---	---	---	233.280	233.310	233.307E	233.235E	233.310E	---	---	9
10	---	---	---	---	---	233.280E	233.505E	233.298E	233.280	233.310	---	---	10
11	---	---	---	---	---	233.280	233.700	233.290	233.260E	233.333E	---	---	11
12	---	---	---	---	---	233.280E	233.694E	233.285E	233.280	233.355E	---	---	12
13	---	---	---	---	---	233.280	233.687E	233.280	233.257E	233.380	---	---	13
14	---	---	---	---	---	233.280E	233.680	233.275E	233.254E	233.370E	---	---	14
15	---	---	---	---	---	233.280E	233.600E	233.270	233.250	233.360	---	---	15
16	---	---	---	---	---	233.280	233.520	233.267E	233.255E	233.354E	---	---	16
17	---	---	---	---	---	233.280E	233.500E	233.264E	233.260	233.347E	---	---	17
18	---	---	---	---	---	233.280	233.480	233.260	233.260E	233.340	---	---	18
19	---	---	---	---	233.407	233.280E	233.454E	233.250E	233.260	233.345E	---	---	19
20	---	---	---	---	233.387E	233.280	233.427E	233.240	233.263E	233.350	---	---	20
21	---	---	---	---	233.387	233.277E	233.400	233.230E	233.265E	233.350E	---	---	21
22	---	---	---	---	233.352E	233.274E	233.390E	233.220E	233.270	233.350	---	---	22
23	---	---	---	---	233.337	233.270	233.380E	233.210	233.265E	233.344E	---	---	23
24	---	---	---	---	233.334E	233.270E	233.370	233.218E	233.260	233.337E	---	---	24
25	---	---	---	---	233.331E	233.270	233.380E	233.223E	233.265E	233.330	---	---	25
26	---	---	---	---	233.328	233.270E	233.390	233.230	233.270	233.340E	---	---	26
27	---	---	---	---	233.318E	233.270	233.375E	233.225E	233.290E	233.350E	---	---	27
28	---	---	---	---	233.310	233.282E	233.360	233.220	233.310E	233.360	---	---	28
29	---		234.577	---	233.305E	233.295E	233.350E	233.215E	233.330	233.355E	---	---	29
30	---		235.281	233.592	233.300	233.307E	233.340	233.210	233.315E	233.350	---	---	30
31	---		235.894	---	233.294E		233.343E	233.210E		233.355E		---	31
			238.244										
MEAN	---	---	---	---	---	233.280	233.425	233.272	233.252	233.338	---	---	MEAN
MAX	---	---	---	---	---	233.307	233.700	233.350	233.330	233.380	---	---	MAX
MIN	---	---	---	---	---	233.270	233.310	233.210	233.200	233.300	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 15 N
LONG 97 31 23 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT LA SALLE - STATION NO. 05OGB06

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	231.215	228.674	228.033	228.030E	228.085E	227.951	227.897E	228.018	---	1
2	---	---	---	231.404	229.319	228.042E	228.039	228.082	227.957E	227.897E	228.018E	---	2
3	---	---	---	231.276	229.152E	228.051	228.039E	228.070	227.963E	228.000	228.018E	---	3
4	---	---	---	230.977	228.984E	228.045E	228.039	228.067E	227.972	228.000E	228.018E	---	4
5	---	---	---	230.563	228.818E	228.036E	228.042E	228.084E	227.966E	228.000E	228.015	---	5
6	---	---	---	230.170	228.648	228.027	228.048E	228.057	227.957	228.000E	228.024E	---	6
7	---	---	---	229.842	228.108	228.024E	228.054	228.054E	227.954E	228.000	228.036E	---	7
8	---	---	---	229.191E	229.341E	228.021	228.054E	228.051	227.951	228.003	228.045E	---	8
9	---	---	---	228.740	229.575	228.024E	228.051	228.048	227.945E	228.006	228.057	---	9
10	---	---	---	228.682E	229.286	228.027E	228.067E	228.036E	227.939	228.009E	---	---	10
11	---	---	---	228.624E	228.990E	228.030E	228.082	228.024	227.939E	228.015E	---	---	11
12	---	---	---	228.568E	228.691	228.033	228.195E	228.021E	227.939E	228.018E	---	---	12
13	---	---	---	228.509E	228.567	228.027E	228.307E	228.018	227.942	228.024	---	---	13
14	---	---	---	228.451	228.527E	228.021	228.423	228.009E	227.948E	228.024E	---	---	14
15	---	---	---	228.317E	228.387E	228.021E	228.365E	228.000E	227.954	228.021	---	---	15
16	---	---	---	228.182	228.246	228.021	228.304	227.987	227.954E	228.018E	---	---	16
17	---	---	---	228.118E	228.204E	228.015E	228.259E	227.990E	227.954	228.015E	---	---	17
18	---	---	---	228.051	228.161	228.009	228.210	227.997	227.954E	228.009	---	---	18
19	---	---	---	228.218E	228.137E	228.012E	228.182E	227.983E	227.954E	228.009E	---	---	19
20	---	---	---	228.390E	228.112	228.018E	228.152E	227.987E	227.954	228.012	---	---	20
21	---	---	---	228.580	228.097E	228.024	228.121	227.981	227.957E	228.015E	---	---	21
22	---	---	---	228.463E	228.082E	228.024E	228.115E	227.981E	227.963	228.018	---	---	22
23	---	---	---	228.362	228.064	228.021	228.108E	227.978	227.969E	228.015E	---	---	23
24	---	---	---	228.329E	228.057E	228.015E	228.097	227.978E	227.978E	228.012	---	---	24
25	---	---	---	228.295	228.051	228.009	228.087E	227.978E	227.987	228.012E	---	---	25
26	---	---	---	228.277E	228.051E	228.015E	228.100E	227.978	227.990E	228.012E	---	---	26
27	---	---	---	228.259E	228.051	228.024	228.103	227.972E	227.993	228.009	---	---	27
28	---	---	---	228.240	228.051	228.024E	228.100E	227.963	227.993E	228.009E	---	---	28
29	---		228.777	228.262	228.048E	228.024E	228.097E	227.963E	227.993E	228.012	---	---	29
30	---		230.353E	228.301	228.045E	228.021	228.091	227.950	227.997	228.012E	---	---	30
31	---		230.932		228.042		228.088E	227.957E		228.015E		---	31
MEAN	---	---	---	228.955	228.512	228.025	228.131	228.011	227.962	228.010	---	---	MEAN
MAX	---	---	---	231.404	229.575	228.051	228.423	228.085	227.997	228.024	---	---	MAX
MIN	---	---	---	228.051	228.042	228.009	228.030	227.957	227.939	227.897	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 43 N
LONG 97 15 52 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT SANFORD - STATION NO. 05OC001

DAILY WATER LEVEL IN METRES FOR 1964

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	236.408E	233.738E	233.843	232.846	232.662E	232.611E	232.778	232.818	---	1
2	---	---	---	236.560	234.302	232.821E	232.846E	232.662	232.605	232.778E	232.815E	---	2
3	---	---	---	235.208E	234.022	232.787	232.846	232.666E	232.699E	232.779	232.812	---	3
4	---	---	---	235.031	233.896	232.800E	232.845E	232.669	232.593	232.782E	232.812E	---	4
5	---	---	---	234.717E	233.279	232.802	232.845	233.668E	232.593E	232.786	232.812	---	5
6	---	---	---	234.400	233.482	233.603E	233.652E	232.662	232.580E	232.788E	---	---	6
7	---	---	---	233.788E	234.403	232.803	233.654	232.678E	232.580E	232.781	---	---	7
8	---	---	---	233.189	234.403	233.603E	233.667E	232.674	232.587	232.784E	---	---	8
9	---	---	---	232.821E	234.583E	232.803	233.180	232.652	232.584E	232.800	---	---	9
10	---	---	---	232.893	234.781	232.808E	233.267E	233.643E	233.574	233.808E	---	---	10
11	---	---	---	232.687E	234.267E	232.812	233.584	232.634	232.575E	233.815	---	---	11
12	---	---	---	232.881	233.739	232.815E	233.321E	232.631E	232.572	232.821E	---	---	12
13	---	---	---	232.679E	233.588E	232.818	233.208	232.625	232.572E	232.831	---	---	13
14	---	---	---	232.885	233.398E	232.821E	233.198E	232.784E	232.568	232.837E	---	---	14
15	---	---	---	232.668E	233.233E	232.826	233.166	232.781	232.565E	232.846	---	---	15
16	---	---	---	232.663	233.085	232.828E	232.668E	232.784E	232.559	232.837	---	---	16
17	---	---	---	232.663E	233.023E	232.831	233.004	232.768	232.556E	232.837E	---	---	17
18	---	---	---	232.663	232.877	232.831E	232.986E	232.742E	232.553	232.840	---	---	18
19	---	---	---	233.014E	232.976E	232.831	232.956	232.738	232.676E	232.837E	---	---	19
20	---	---	---	233.304	232.971	232.831E	232.943E	232.736E	232.536	232.836	---	---	20
21	---	---	---	233.216E	232.934E	232.834	232.831	232.738	232.669E	232.834E	---	---	21
22	---	---	---	233.263	232.884	232.836E	232.810E	232.727E	232.614	232.831	---	---	22
23	---	---	---	233.216E	232.804	232.834	232.804	232.718	232.649E	232.831E	---	---	23
24	---	---	---	233.188	232.682	232.836E	232.806E	232.706E	232.676	232.828E	---	---	24
25	---	---	233.303	233.172E	232.676E	232.837	232.883	232.693	232.680E	232.828E	---	---	25
26	---	---	233.263E	233.176	232.667	232.837E	232.862E	232.684E	232.709	232.825E	---	---	26
27	---	---	233.300	233.145E	232.664E	232.840	232.862E	232.672	232.727E	232.825E	---	---	27
28	---	---	233.357E	233.108	232.656	232.840E	232.862E	232.680E	232.746	232.821	---	---	28
29	---	---	234.013	233.105	232.656E	232.843	232.862E	232.665	232.757E	232.821E	---	---	29
30	---	---	234.026E	233.189	232.652	232.843E	232.862E	232.639E	232.772	232.818	---	---	30
31	---	---	235.243		232.648E		232.843E	232.616		232.816E			31
MEAN	---	---	---	233.420	233.402	232.823	232.880	232.774	232.618	232.818	---	---	MEA
MAX	---	---	---	235.560	234.781	233.843	233.358	232.889	232.779	232.845	---	---	MAX
MIN	---	---	---	232.663	232.648	232.787	232.846	232.614	232.553	232.778	---	---	MIN

SUMMARY FOR THE YEAR 1964

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 02 N
LONG 97 24 42 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT STARBUCK - STATION NO. 05OC005

DAILY WATER LEVEL IN METRES FOR 1964

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	---	237.828	236.720	235.666E	235.659	235.732	235.607	235.658	---	---	1
2	---	---	---	237.695	236.540E	235.666E	235.665E	235.720E	235.613E	235.671E	---	---	2
3	---	---	---	237.668	236.360	235.668	235.671	235.729E	235.620	235.676	---	---	3
4	---	---	---	237.183	236.168E	235.663E	235.674E	235.720	235.622E	235.674E	---	---	4
5	---	---	---	236.813	236.001	235.647	235.677	235.714E	235.644	235.677E	---	---	5
6	---	---	---	236.230	235.783	235.663E	235.677E	235.708	235.641E	235.677E	---	---	6
7	---	---	---	236.182	237.037	235.659	235.674E	235.689E	235.636E	235.681	---	---	7
8	---	---	---	236.020E	236.654	235.659E	235.671	235.680	235.629	235.680E	---	---	8
9	---	---	---	235.827	236.500E	235.659E	235.684E	235.667E	235.620E	235.689	---	---	9
10	---	---	---	235.663E	236.147	235.659E	235.696	235.661	235.619	235.706E	---	---	10
11	---	---	---	235.639	236.116E	235.656E	235.720E	235.674E	235.620E	235.717	---	---	11
12	---	---	---	235.616E	236.016	235.653E	235.787	235.685E	235.630	235.706E	---	---	12
13	---	---	---	235.706E	236.001	235.653E	235.843E	235.654	235.620E	235.693	---	---	13
14	---	---	---	235.779E	235.850E	235.653E	236.027	235.668E	235.626E	235.663E	---	---	14
15	---	---	---	235.787	235.856	235.650E	235.865E	235.653	235.623E	235.693	---	---	15
16	---	---	---	235.706E	235.639E	235.650E	235.843	235.647E	235.620	235.693E	---	---	16
17	---	---	---	235.776	235.613	235.647	235.706E	235.641E	235.623E	235.693	---	---	17
18	---	---	---	235.763E	235.764E	235.647E	235.767	235.632	235.644	235.693E	---	---	18
19	---	---	---	235.610E	235.767	235.647	235.767E	235.632E	235.650E	235.693E	---	---	19
20	---	---	---	235.630	235.726E	235.647E	235.767E	235.630	235.653	235.693	---	---	20
21	---	---	---	235.670E	235.717	235.647	235.787	235.620E	235.656E	235.656E	---	---	21
22	---	---	---	235.627	235.711E	235.647E	235.781E	235.620	235.656	235.689	---	---	22
23	---	---	---	235.610E	235.706	235.647E	235.765	235.620E	235.656E	235.706E	---	---	23
24	---	---	---	235.594	235.706E	235.647	235.736E	235.620E	235.644	235.711	---	---	24
25	---	---	---	235.670E	235.702E	235.647E	235.732	235.617	235.668E	---	---	---	25
26	---	---	---	235.650	235.693E	235.647	235.732E	235.613E	235.668	---	---	---	26
27	---	---	---	235.670E	235.696	235.647E	235.732E	235.607	235.656E	---	---	---	27
28	---	---	235.609	235.667E	235.677	235.647	235.732	235.607E	235.656E	---	---	---	28
29	---	---	237.037	235.915	235.664	235.650E	235.732E	235.607	235.664	---	---	---	29
30	---	---	237.603E	235.908E	235.675E	235.653E	235.722	235.607E	235.668E	---	---	---	30
31	---	---	237.798		235.671		235.723E	235.607E		---			31
MEAN	---	---	---	236.144	236.022	235.652	235.720	235.656	235.641	---	---	---	ME
MAX	---	---	---	237.828	237.037	235.666	235.827	235.732	235.668	---	---	---	MA
MIN	---	---	---	235.767	235.671	235.647	235.659	235.607	235.607	---	---	---	MI

SUMMARY FOR THE YEAR 1964

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 05 12 N
LONG 97 36 54 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER NEAR ELIE - STATION NO. 05OG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	10.5 B	8.30	0.034	0.088	0.778	0.014	0.008	---	---	1
2	---	---	0 B	9.69 B	7.22	0.013	0.065	0.807	0.014	0.007	---	---	2
3	---	---	0 B	8.44	5.06	0.016	0.064	0.635	0.014	0.003	---	---	3
4	---	---	0 B	6.35	3.61	0.013	0.133	0.880	0.015	0.032	---	---	4
5	---	---	0 B	6.38	4.51	0.016	0.080	0.876	0.020	0.030	---	---	5
6	---	---	0 B	3.08	12.9	0.024	0.004	0.734	0.015	0.075	---	---	6
7	---	---	0 B	2.88	15.2	0.043	0	0.544	0.016	0.088	---	---	7
8	---	---	0 B	2.28	11.6	0.022	0	0.360	0.016	0.081	---	---	8
9	---	---	0 B	2.01	6.70	0.016	0	0.270	0.011	0.074	---	---	9
10	---	---	0 B	1.27	4.05	0.016	0	0.206	0.007	0.728	---	---	10
11	---	---	0 B	1.58	2.83	0.010	2.17	0.155	0.006	0.837	---	---	11
12	---	---	0 B	1.20	4.42	0.007	3.65	0.114	0.007	0.471	---	---	12
13	---	---	0 B	1.01	2.92	0.004	2.50	0.078	0.010	0.287	---	---	13
14	---	---	0 B	0.925	1.87	0.004	1.36	0.059	0.010	0.192	---	---	14
15	---	---	0.0010	0.729	1.43	0.004	0.912	0.045	0.007	0.136	---	---	15
16	---	---	0.0010	0.585	1.05	0.003	0.923	0.040	0.006	0.108	---	---	16
17	---	---	0.0010	0.522	0.943	0.002	1.15	0.027	0.007	0.087	---	---	17
18	---	---	0.0020	0.548	0.838	0.002	1.18	0.017	0.005	0.082	---	---	18
19	---	---	0.0020	1.15	0.589	0.001	1.06	0.013	0.004	0.089	---	---	19
20	---	---	0.0030	2.82	0.420	0.003	0.942	0.013	0.003	0.087	---	---	20
21	---	---	0.0050	1.66	0.148	0.007	0.888	0.014	0.003	0.083	---	---	21
22	---	---	0.0100	1.17	0.251	0.007	0.515	0.011	0.003	0.061	---	---	22
23	---	---	0.0500	1.13	0.263	0.005	0.481	0.010	0.006	0.064	---	---	23
24	---	---	0.1000	1.03	0.315	0.003	0.568	0.010	0.004	0.055	---	---	24
25	---	---	0.5000	0.957	0.346	0.002	0.602	0.008	0.005	0.163	---	---	25
26	---	---	0.8000	0.880	0.330	0.001	0.632	0.005	0.012	0.287	---	---	26
27	---	---	1.00 B	0.816	0.222	0.002	0.656	0.008	0.008	0.204	---	---	27
28	---	---	1.84 B	1.04	0.185	0.170	0.605	0.015	0.008	0.162	---	---	28
29	---		5.68 B	1.22	0.125	0.223	0.672	0.016	0.013	0.098	---	---	29
30	---		7.19 B	3.46	0.070	0.168	0.724	0.015	0.011	0.068	---	---	30
31	---		8.18 B		0.048		0.746	0.014		0.118A		---	31
TOTAL	---	---	26.365	81.212	96.672	0.805	23.070	6.976	0.287	4.881	---	---	TOTAL
MEAN	---	---	0.850	2.71	3.10	0.027	0.744	0.225	0.010	0.157	---	---	MEAN
MAX	---	---	8.18	10.5	15.2	0.223	3.65	0.876	0.020	0.837	---	---	MAX
MIN	---	---	0	0.522	0.048	0.001	0	0.005	0.003	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.990
MAXIMUM DAILY, 15.2 ON MAY 7
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 13 N
LONG 97 45 54 W
DRAINAGE AREA, 186 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 990
FEB	---	AUG	603
MAR	2 280	SEP	24.8
APR	7 020	OCT	420
MAY	8 340	NOV	---
JUN	69.5	DEC	---

TOTAL DISCHARGE, 20 800 dam³

LA SALLE RIVER NEAR SANFORD - STATION NO. 05OG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2580	0.0910	0.0280	100 B	46.1	0.235	0.688	0.072	0.104	0.169	0.236	0.0900	1
2	0.2370	0.0880	0.0260	106	65.7	0.261	0.583	0.825	0.131	0.164	0.216	0.0900	2
3	0.2140	0.0840	0.0260	96.3	60.6	0.442	0.481	0.769	0.163	0.169	0.2060	0.0900	3
4	0.2050	0.0810	0.0270	86.2	39.6	0.307	0.682	0.688	0.167	0.159	0.1960	0.0900	4
5	0.2580	0.0780	0.0270	75.7	23.1	0.183	0.993	0.616	0.155	0.174	0.1800	0.0900	5
6	0.2420	0.0740	0.0270	62.2	37.0	0.183	0.990	0.684	0.153	0.184	0.1760	0.0900	6
7	0.2170	0.0710	0.0260	44.0	63.6	0.364	0.763	0.520	0.136	0.202	0.1730	0.0900	7
8	0.1930	0.0670	0.0260	24.8	70.0	0.310	0.550	0.384	0.134	0.227	0.1680	0.0900	8
9	0.1700	0.0640	0.0260	14.7	64.0	0.369	0.477	0.306	0.136	0.219	0.1660	0.0900	9
10	0.1670	0.0600	0.0250	9.94	46.8	0.426	0.788	0.221	0.130	0.220	0.1620	0.0900	10
11	0.1630	0.0570	0.0250	6.60	29.0	0.346	10.1	0.187	0.150	0.265	0.1590	0.0900	11
12	0.1600	0.0540	0.0250	5.12	23.3	0.305	26.6	0.167	0.163	0.296	0.1550	0.0900	12
13	0.1560	0.0500	0.0240	3.33	23.3	0.279	24.7	0.164	0.163	0.288	0.1510	0.0900	13
14	0.1530	0.0470	0.0240	2.27	16.3	0.235	18.8	0.204	0.176	0.264	0.1480	0.0900	14
15	0.1490	0.0430	0.0240	1.71	11.0	0.317	15.2	0.144	0.182	0.228	0.1440	0.0900	15
16	0.1460	0.0400	0.0230	1.75	7.64	0.408	11.2	0.087	0.186	0.219	0.1380	0.0900	16
17	0.1430	0.0360	0.0230	0.860	5.43	0.201	6.31	0.045	0.160	0.202	0.1330	0.0900	17
18	0.1300	0.0320	0.0220	0.711	3.80	0.229	5.62	0.076	0.163	0.195	0.1290	0.0900	18
19	0.1260	0.0330	0.0220	5.24	2.73	0.244	4.26	0.112	0.151	0.207	0.1260	0.0900	19
20	0.1320	0.0320	0.0220	20.6	1.81	0.334	3.31	0.085	0.153	0.236	0.1220	0.0900	20
21	0.1200	0.0320	0.0210	21.9	1.26	0.333	2.50	0.087	0.161	0.235	0.1180	0.0900	21
22	0.1260	0.0310	0.0210	15.0	0.855	0.257	1.96	0.085	0.174	0.231	0.1160	0.0900	22
23	0.1220	0.0310	0.0200	11.3	0.646	0.188	1.65	0.094	0.166	0.221	0.1130	0.0900	23
24	0.1100	0.0310	0.5000	8.47	0.507	0.092	1.41	0.114	0.181	0.213	0.1100	0.0900	24
25	0.1180	0.0300	3.16 B	7.50	0.423	0.077	1.22	0.107	0.183	0.201	0.1060	0.0900	25
26	0.1120	0.0300	11.0 B	6.66	0.271	0.202	1.43	0.082	0.161	0.192	0.1030	0.0900	26
27	0.1060	0.0290	20.6 B	6.75	0.335	0.240	1.47	0.079	0.130	0.212	0.1000	0.0900	27
28	0.1050	0.0280	23.2 B	7.23	0.265	0.201	1.26	0.088	0.127	0.232	0.0960	0.0900	28
29	0.1020		46.0 B	10.7	0.471	0.217	0.932	0.108	0.136	0.225	0.0930	0.0900	29
30	0.0980		58.0 B	14.3	0.454	0.450	0.639	0.104	0.176	0.214	0.0900	0.0900	30
31	0.0950		64.3 B		0.332		0.836	0.100		0.235		0.0900	31
TOTAL	5.262	1.426	267.645	777.611	846.640	8.485	151.071	8.060	4.737	6.776	4.334	2.790	TOTAL
MEAN	0.170	0.051	8.63	25.9	20.3	0.283	4.90	0.260	0.158	0.219	0.144	0.090	MEAN
MAX	0.259	0.091	64.3	106	70.0	0.450	26.6	0.873	0.183	0.296	0.236	0.090	MAX
MIN	0.095	0.028	0.020	0.711	0.265	0.077	0.477	0.045	0.104	0.159	0.090	0.090	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.17
MAXIMUM DAILY, 106 ON APR 2
MINIMUM DAILY, 0.0200 ON MAR 23
MAXIMUM INSTANTANEOUS,
108 AT 04:17 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 45 N
LONG 97 26 46 W
DRAINAGE AREA, 1 900 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	455	JUL	13 100
FEB	123	AUG	697
MAR	23 100	SEP	409
APR	67 200	OCT	586
MAY	56 100	NOV	374
JUN	734	DEC	241

TOTAL DISCHARGE, 163 000 dam³

LAKE MANITOBA AT STEEP ROCK - STATION NO. 05LK002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	247.543A	247.519	247.486	247.514	247.642	247.719	247.624	247.547	247.419	247.461	247.459	247.459
2	247.533A	247.522	247.487	247.512	247.664	247.767	247.600	247.525	247.442	247.400	247.433	247.465
3	247.523A	247.518	247.501	247.507	247.691	247.751	247.630	247.527	247.450	247.419	247.402	247.464
4	247.523A	247.515	247.484	247.514	247.717	247.708	247.640	247.528	247.437	247.456	247.451	247.480
5	247.533A	247.512	247.496	247.526	247.670	247.686	247.643	247.527	247.384	247.427	247.437	247.481
6	247.533A	247.508	247.486	247.535	247.686	247.740	247.686	247.541	247.371	247.441	247.419	247.462
7	247.533A	247.512	247.487	247.544	247.713	247.731	247.626	247.545	247.382	247.417	247.362	247.456
8	247.543A	247.510	247.486	247.543	247.735	247.682	247.598	247.533	247.364	247.385	247.135	247.460
9	247.543A	247.509	247.488	247.553	247.752	247.707	247.603	247.465	247.371	247.442	247.276	247.430
10	247.533A	247.510	247.500	247.562	247.790	247.686	247.602	247.468	247.303	247.465	247.314	247.457
11	247.533A	247.514	247.487	247.567	247.803	247.681	247.632	247.461	247.411	247.430	247.333	247.459
12	247.532E	247.518	247.488	247.560	247.827	247.713	247.628	247.516	247.389	247.421	247.381	247.450
13	247.531A	247.510	247.490	247.553	247.815	247.678	247.645	247.522	247.386	247.443	247.380	247.459
14	247.527	247.510	247.490	247.547	247.829	247.655	247.685	247.523	247.387	247.407	247.369	247.462
15	247.527	247.510	247.486	247.552	247.853	247.654	247.680	247.522	247.376	247.445	247.375	247.481
16	247.523	247.508	247.502	247.560	247.851	247.640	247.648	247.513	247.386	247.440	247.382	247.450
17	247.522	247.509	247.503	247.560	247.806	247.661	247.612	247.494	247.406	247.480	247.403	247.460
18	247.518	247.513	247.504	247.582	247.861	247.681	247.646	247.505	247.401	247.455	247.412	247.461
19	247.518	247.511	247.488	247.600	247.816	247.668	247.613	247.527	247.400	247.482	247.422	247.461
20	247.517	247.518	247.486	247.591	247.839	247.664	247.580	247.521	247.407	247.470	247.430	247.452
21	247.517	247.512	247.487	247.590	247.851	247.668	247.590	247.510	247.411	247.475	247.434	247.464
22	247.512	247.512	247.486	247.614	247.850	247.663	247.576	247.507	247.448	247.447	247.439	247.462
23	247.515	247.508	247.491	247.622	247.843	247.622	247.594	247.462	247.427	247.450	247.443	247.460
24	247.516	247.503	247.480	247.623	247.827	247.661	247.596	247.521	247.397	247.460	247.454	247.459
25	247.518	247.503	247.501	247.623	247.807	247.653	247.576	247.487	247.342	247.487	247.484	247.460
26	247.513	247.501	247.501	247.612	247.788	247.677	247.564	247.467	247.402	247.460	247.468	247.462
27	247.514	247.495	247.506	247.605	247.787	247.668	247.552	247.458	247.471	247.462	247.463	247.464
28	247.513	247.489	247.507	247.619	247.797	247.620	247.567	247.477	247.405	247.449	247.457	247.456
29	247.515		247.506	247.630	247.795	247.610	247.561	247.484	247.500	247.421	247.462	247.453
30	247.512		247.510	247.643	247.770	247.636	247.636	247.484	247.469	247.482	247.455	247.462
31	247.516		247.513		247.727		247.601	247.472		247.420		247.462
MEAN	247.526	247.510	247.490	247.574	247.778	247.683	247.614	247.500	247.412	247.448	247.402	247.461
MAX	247.543	247.522	247.513	247.643	247.861	247.767	247.686	247.547	247.500	247.485	247.463	247.486
MIN	247.512	247.489	247.480	247.507	247.642	247.610	247.552	247.458	247.342	247.386	247.135	247.457

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 247.526
MAXIMUM DAILY, 247.861 ON MAY 18
MINIMUM DAILY, 247.135 ON NOV 8
MAXIMUM INSTANTANEOUS,
247.922 AT 08:54 CST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 26 N
LONG 98 48 12 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA AT THE NARROWS - STATION NO. 05LK003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	247.517	247.503	247.496	247.510	247.552	247.718	247.602	247.480	247.387	247.464	247.405	247.457
2	247.514	247.504	247.494	247.512	247.600A	247.780	247.625	247.515	247.430	247.375	247.450	247.455
3	247.517	247.506	247.495	247.507	247.748	247.642	247.653	247.561	247.404	247.440	247.411	247.453
4	247.521	247.506	247.487	247.516	247.641	247.686	247.614	247.533	247.300	247.431	247.404	247.454
5	247.512	247.501	247.486	247.517	247.557	247.774	247.618	247.530	247.300	247.374	247.435	247.457
6	247.514	247.501	247.484	247.521	247.527	247.733	247.587	247.526	247.376	247.469	247.418	247.456
7	247.520	247.498	247.486	247.525	247.736	247.566	247.593	247.480	247.389	247.357	247.400	247.456
8	247.520	247.498	247.491	247.525	247.737	247.702	247.590	247.522	247.400	247.383	247.120	247.458
9	247.513	247.494	247.495	247.531	247.777	247.700	247.601	247.416	247.419	247.519	247.219	247.457
10	247.512	247.498	247.497	247.535	247.777	247.611	247.615	247.485	247.404	247.410	247.433	247.458
11	247.514	247.501	247.492	247.531	247.784	247.708A	247.670	247.521	247.412	247.331	247.437	247.459
12	247.507	247.502	247.493	247.533	247.761	247.597	247.642	247.537	247.325	247.442	247.437	247.462
13	247.510	247.497	247.494	247.534	247.700	247.631	247.610	247.530	247.386	247.446	247.400	247.467
14	247.507	247.486	247.493	247.530	247.706	247.667	247.623	247.493	247.395	247.348	247.428	247.468
15	247.509	247.495	247.495	247.537	247.706	247.631	247.622	247.483	247.400	247.442	247.437	247.470
16	247.507	247.497	247.493	247.550	247.729	247.653	247.590	247.451	247.456	247.435	247.433	247.460
17	247.507	247.495	247.488	247.557	247.731	247.684	247.580	247.483	247.389	247.460	247.430	247.468
18	247.504	247.490	247.485	247.565	247.788	247.661	247.625	247.530	247.386	247.401	247.433	247.468
19	247.506	247.488	247.479	247.561	247.821	247.653	247.584	247.533	247.412	247.418	247.437	247.468
20	247.502	247.505	247.486	247.572	247.807	247.637	247.598	247.385	247.410	247.438	247.439	247.460
21	247.500	247.502	247.487	247.580	247.785	247.657	247.581	247.500	247.423	247.452	247.462	247.458
22	247.501	247.502	247.485	247.597	247.780	247.600	247.606	247.471	247.410	247.387	247.443	247.486
23	247.501	247.501	247.490	247.599	247.777	247.591	247.617	247.485	247.415	247.448	247.446	247.453
24	247.499	247.486	247.479	247.602	247.762	247.711	247.537	247.540	247.413	247.467	247.457	247.452
25	247.497	247.490	247.486	247.603	247.732	247.632	247.583	247.336	247.505	247.470	247.489	247.455
26	247.498	247.495	247.493	247.580	247.754	247.636	247.576	247.430	247.420	247.437	247.457	247.461
27	247.503	247.496	247.486	247.586	247.702	247.602	247.587	247.435	247.428	247.457	247.457	247.462
28	247.497	247.499	247.486	247.601	247.765	247.580	247.586	247.461	247.481	247.325	247.455	247.480
29	247.500		247.494	247.631	247.756	247.630	247.590	247.469	247.452	247.394	247.455	247.459
30	247.500		247.500	247.584	247.670	247.630	247.532	247.474	247.426	247.542	247.455	247.482
31	247.501		247.504		247.687		247.515	247.384		247.280		247.493
MEAN	247.507	247.500	247.491	247.555	247.735	247.658	247.596	247.482	247.405	247.422	247.422	247.461
MAX	247.521	247.508	247.504	247.631	247.821	247.780	247.670	247.546	247.505	247.542	247.484	247.470
MIN	247.497	247.484	247.479	247.507	247.527	247.580	247.515	247.336	247.300	247.266	247.120	247.453

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 247.520
MAXIMUM DAILY, 247.821 ON MAY 19
MINIMUM DAILY, 247.120 ON NOV 8
MAXIMUM INSTANTANEOUS,
248.003 AT 14:02 CST ON JUN 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 50 N
LONG 98 46 [illegible] W

A - MANUAL GAUGE

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR TOUTES AIDES - STATION NO. 05LK004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.463	247.438	247.421	247.433	247.550	247.642	247.583	247.403	247.408	247.407	247.219	247.382	1
2	247.461	247.438	247.420	247.435	247.571	247.677	247.570	247.385	247.385	247.401	247.260	247.382	2
3	247.464	247.445	247.419	247.436	247.623	247.668	247.596	247.400	247.372	247.346	247.304	247.383	3
4	247.462	247.440	247.416	247.432	247.636	247.629	247.563	247.433	247.283	247.381	247.341	247.373	4
5	247.463	247.432	247.417	247.434	247.673	247.716	247.588	247.460	247.235	247.313	247.352	247.389	5
6	247.438	247.439	247.407	247.405	247.626	247.728	247.622	247.482	247.184	247.354	247.348	247.386	6
7	247.462	247.422	247.418	247.462	247.622	247.616	247.461	247.440	247.171	247.377	247.372	247.390	7
8	247.455	247.421	247.424	247.464	247.656	247.618	247.513	247.417	247.239	247.308	247.467	247.389	8
9	247.455	247.412	247.423	247.461	247.705	247.661	247.522	247.415	247.284	247.283	247.248	247.379	9
10	247.450	247.412	247.427	247.478	247.720	247.610	247.588	247.380	247.307	247.367	247.235	247.383	10
11	247.484	247.421	247.422	247.463	247.752	247.626	247.616	247.387	247.310	247.284	247.236	247.384	11
12	247.449	247.423	247.418	247.464	247.722	247.566	247.713	247.396	247.381	247.287	247.243	247.385	12
13	247.447	247.424	247.425	247.435	247.729	247.539	247.687	247.436	247.286	247.353	247.272	247.392	13
14	247.448	247.425	247.420	247.430	247.791	247.553	247.615	247.437	247.313	247.363	247.282	247.380	14
15	247.448	247.422	247.417	247.438	247.742	247.567	247.583	247.401	247.330	247.331	247.288	247.388	15
16	247.440	247.435	247.413	247.456	247.732	247.663	247.585	247.382	247.378	247.368	247.310	247.394	16
17	247.430	247.414	247.411	247.483	247.685	247.606	247.563	247.380	247.389	247.408	247.319	247.390	17
18	247.435	247.418	247.403	247.502	247.768	247.626	247.476	247.441	247.334	247.443	247.336	247.396	18
19	247.440	247.426	247.397	247.489	247.802	247.620	247.485	247.507	247.344	247.422	247.348	247.393	19
20	247.440	247.431	247.388	247.500	247.865	247.585	247.482	247.376	247.357	247.389	247.347	247.390	20
21	247.439	247.434	247.408	247.518	247.862	247.560	247.466	247.378	247.385	247.383	247.380	247.393	21
22	247.430	247.429	247.405	247.544	247.839	247.535	247.513	247.434	247.343	247.378	247.352	247.395	22
23	247.431	247.428	247.403	247.532	247.826	247.530	247.556	247.420	247.352	247.363	247.360	247.393	23
24	247.436	247.431	247.406	247.522	247.778	247.588	247.464	247.457	247.410	247.388	247.378	247.392	24
25	247.432	247.424	247.404	247.537	247.759	247.656	247.483	247.456	247.632	247.430	247.378	247.390	25
26	247.417	247.423	247.415	247.542	247.712	247.684	247.512	247.287	247.607	247.423	247.381	247.387	26
27	247.436	247.420	247.418	247.537	247.709	247.529	247.517	247.364	247.500	247.414	247.386	247.391	27
28	247.433	247.422	247.417	247.521	247.702	247.516	247.485	247.336	247.452	247.384	247.380	247.394	28
29	247.438		247.417	247.531	247.684	247.528	247.501	247.402	247.435	247.341	247.383	247.389	29
30	247.439		247.422	247.582	247.687	247.545	247.350	247.420	247.387	247.389	247.380	247.391	30
31	247.438		247.427		247.685		247.380	247.428		247.381		247.385	31
MEAN	247.440	247.426	247.415	247.482	247.717	247.602	247.530	247.410	247.360	247.368	247.328	247.389	MEAN
MAX	247.464	247.445	247.427	247.582	247.883	247.728	247.713	247.507	247.632	247.443	247.467	247.396	MAX
MIN	247.417	247.412	247.387	247.425	247.550	247.516	247.350	247.238	247.171	247.283	247.219	247.373	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 247.457
MAXIMUM DAILY, 247.883 ON MAY 21
MINIMUM DAILY, 247.171 ON SEP 7
MAXIMUM INSTANTANEOUS,
247.898 AT 10:20 CST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 16 N
LONG 98 32 23 W

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR WESTBOURNE - STATION NO. 05LL012

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.501	247.486	247.467	247.588	247.716	247.903A	247.626	247.681	---	247.438	247.391	---	1
2	247.505	247.487	247.489	247.624	247.688	---	247.611	247.673	---	247.575	247.408	---	2
3	247.504	247.483	247.480	247.622	247.662	---	247.607	247.536	---	247.462	247.449	---	3
4	247.502	247.486	247.487	247.527	247.717	---	247.567	247.651	247.503A	247.408	247.334	---	4
5	247.500	247.485	247.477	247.536	247.666	---	247.476	247.586	247.565	247.480	247.384	---	5
6	247.497	247.486	247.477	247.517	247.665	---	247.383	247.900	247.491	247.405	247.440	---	6
7	247.493	247.484	247.472	247.528	247.766	---	247.565	247.611	247.484	247.532	247.600	---	7
8	247.488	247.476	247.468	247.526	247.774	---	247.580	247.688A	247.486	247.506	248.327A	---	8
9	247.488	247.476	247.463	247.533	247.765	---	247.562	---	247.454	247.330	---	247.451A	9
10	247.485	247.472	247.469	247.536	247.711	---	247.632	---	247.440	247.412	---	---	10
11	247.488	247.472	247.481	247.528	247.767	---	247.603	---	247.420	247.526	---	---	11
12	247.488	247.456	247.488	247.546	247.716	---	247.801	---	247.512	247.428	---	---	12
13	247.497	247.473	247.485	247.561	247.768	247.664A	247.802	---	247.426	247.381	---	---	13
14	247.501	247.468	247.481	247.574	247.763	247.713	247.800	---	247.460	247.523	---	---	14
15	247.484	247.470	247.488	247.584	247.731	247.731	247.816	---	247.445	247.364	---	247.448A	15
16	247.481	247.471	247.482	247.543	247.734	247.717	247.634	---	247.376	247.424	---	247.440	16
17	247.480	247.477	247.484	247.588	247.824	247.686	247.588	---	247.422	247.373	---	247.444	17
18	247.482	247.476	247.484	247.585	247.800	247.665	247.562	---	247.441	247.382	247.556A	247.438	18
19	247.484	247.476	247.472	247.586	247.721	247.681	247.560	---	247.440	247.384	247.603	247.442	19
20	247.484	247.489	247.476	247.631	247.722	247.676	247.623	---	247.427	247.387	247.647	247.442	20
21	247.486	247.474	247.468	247.588	247.728	247.631	247.588	---	247.398	247.372	247.624	247.435	21
22	247.481	247.480	247.458	247.604	247.705	247.682	247.601	---	247.349	247.457	247.620	247.445	22
23	247.482	247.471	247.470	247.606	247.768	247.717	247.564	---	247.386	247.405	247.600	247.449	23
24	247.485	247.477	247.484	247.612	247.783	247.681	247.583	---	247.450	247.376	247.568	247.444	24
25	247.485	247.402	247.516	247.616	247.780	247.617	247.574	---	247.636	247.336	247.544	247.450	25
26	247.480	247.400	247.507	247.638	247.763	247.560	247.577	---	247.425	247.383	---	247.455	26
27	247.481	247.492	247.532	247.637	247.779	247.631	247.528	---	247.439	247.361	---	247.450	27
28	247.483	247.488	247.580	247.650	247.760	247.600	247.560	---	247.384	247.485	---	247.444	28
29	247.478		247.634	247.656	247.750	247.643	247.503	---	247.388	247.456	---	247.457	29
30	247.470		247.643	247.665	247.805	247.603	247.615	---	247.428	247.323	---	247.445	30
31	247.484		247.660		247.920		247.530	---		247.407		247.445	31
MEAN	247.481	247.476	247.504	247.583	247.762	---	247.578	---	---	247.438	---	---	MEAN
MAX	247.505	247.492	247.660	247.665	247.924	---	247.881	---	---	247.575	---	---	MAX
MIN	247.470	247.400	247.458	247.517	247.662	---	247.383	---	---	247.323	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 248.327A ON NOV 8
MINIMUM DAILY, 247.323 ON OCT 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 98 34 50 W

A - MANUAL GAUGE

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

REMARKS - HISTORICAL MAXIMUM INSTANTANEOUS WATER LEVEL OF 248.424 m ON MAY 01 1976 WAS PROBABLY EXCEEDED NOV 08 1986

LAKE OF THE PRAIRIES NEAR SHELLMOUTH - STATION NO. 05MD005

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	426.029	425.285	424.616	424.191	428.145	427.774	427.491	427.589	427.471	427.233	427.133	426.902
2	426.008	425.263	424.595	424.391	428.133	427.739	427.480	427.557	427.450	427.228	427.106	426.878
3	425.976	425.240	424.575	424.592	428.116	427.735	427.486	427.590	427.485	427.201	427.107	426.864
4	425.948	425.215	424.556	424.805	428.132	427.685	427.487	427.656	427.462	427.226	427.101	426.840
5	425.925	425.189	424.537	425.021	428.159	427.650	427.536	427.654	427.434	427.213	427.107	426.821
6	425.899	425.168	424.517	425.286	428.161	427.636	427.533	427.658	427.406	427.206	427.091	426.802
7	425.872	425.144	424.498	425.512	428.122	427.609	427.534	427.656	427.397	427.220	427.075	426.776
8	425.848	425.120	424.482	425.930	428.119	427.553	427.539	427.663	427.375	427.211	427.105	426.656
9	425.824	425.093	424.461	426.210	428.099	427.525	427.537	427.698	427.361	427.178	427.027	426.639
10	425.799	425.068	424.437	426.470	428.090	427.501	427.553	427.654	427.353	427.222	426.987	426.424
11	425.769	425.045	424.405	426.685	428.102	427.481	427.569	427.639	427.335	427.209	426.978	426.407
12	425.748	425.021	424.373	426.870	428.117	427.526	427.577	427.634	427.351	427.190	426.952	426.385
13	425.725	424.994	424.344	427.047	428.095	427.509	427.578	427.640	427.328	427.185	426.931	426.363
14	425.705	424.967	424.311	427.213	428.101	427.417	427.595	427.630	427.325	427.195	426.915	426.348
15	425.682	424.942	424.281	427.358	428.078	427.419	427.603	427.633	427.320	427.188	426.898	426.333
16	425.657	424.921	424.249	427.486	428.118	427.420	427.614	427.622	427.307	427.178	426.878	426.309
17	425.635	424.897	424.219	427.602	428.084	427.415	427.618	427.593	427.314	427.172	426.861	426.281
18	425.611	424.873	424.188	427.708	428.067	427.436	427.615	427.584	427.315	427.174	426.845	426.271
19	425.589	424.848	424.159	427.800	428.048	427.462	427.620	427.586	427.318	427.177	426.825	426.260
20	425.565	424.823	424.124	427.874	428.034	427.549	427.618	427.589	427.300	427.172	426.800	426.231
21	425.540	424.799	424.092	427.928	428.013	427.543	427.633	427.568	427.287	427.166	426.787	426.210
22	425.518	424.772	424.064	427.984	427.995	427.519	427.614	427.563	427.284	427.167	426.763	426.194
23	425.494	424.748	424.043	428.036	428.003	427.466	427.624	427.535	427.273	427.160	426.748	426.175
24	425.474	424.723	424.020	428.068	427.993	427.450	427.636	427.551	427.267	427.157	426.730	426.152
25	425.447	424.698	423.998	428.095	427.973	427.482	427.623	427.549	427.248	427.148	426.708	426.135
26	425.424	424.678	423.957	428.128	427.954	427.499	427.662	427.523	427.253	427.153	426.693	426.110
27	425.400	424.656	423.928	428.131	427.927	427.485	427.638	427.514	427.257	427.147	426.671	426.092
28	425.378	424.637	423.916	428.144	427.905	427.497	427.650	427.492	427.258	427.155	426.656	426.078
29	425.354		423.928	428.141	427.880	427.486	427.655	427.492	427.255	427.136	426.640	426.060
30	425.331		423.953	428.149	427.850	427.483	427.660	427.486	427.240	427.114	426.614	426.035
31	425.307		424.039		427.832		427.651	427.498		427.161		426.017
MEAN	425.661	424.958	424.264	426.899	428.045	427.531	427.587	427.596	427.333	427.183	426.881	426.308
MAX	426.029	425.285	424.616	428.149	428.159	427.775	427.661	427.658	427.471	427.232	427.133	426.902
MIN	425.307	424.637	423.916	424.191	427.832	427.415	427.480	427.486	427.240	427.114	426.614	426.017

SUMMARY FOR THE YEAR 1985

WATER LEVELS IN METRES

MEAN, 426.595
MAXIMUM DAILY, 428.159 ON MAY 5
MINIMUM DAILY, 423.916 ON MAR 28
MAXIMUM INSTANTANEOUS,
428.190 AT 01:25 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 58 N
LONG 101 25 21 W

REGULATED SINCE 1

DRAINAGE AREA,
17 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ST. MARTIN NEAR HILBRE - STATION NO. 05LM005

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	243.536	243.661	243.724	243.747	243.728	244.335	244.624	244.353	243.775	243.385	243.338	243.278
2	243.547	243.656	243.733	243.758	243.721	244.266	244.368	244.312	243.723	243.382	243.321	243.286
3	243.551	243.663	243.735	243.759	243.717	244.352	244.350	244.301	243.693	243.320	243.232	243.286
4	243.552	243.668	243.738	243.760	243.729	244.368	244.363	244.302	243.713	243.301	243.212	243.294
5	243.555	243.674	243.734	243.751	243.789	244.328	244.387	244.287	---	243.305	243.222	243.292
6	243.557	243.674	243.726	243.745	243.849	244.328	244.316	244.285	---	243.286	243.221	243.280
7	243.563	243.679	243.720	243.744	243.833	244.368	244.381	244.288	---	243.319	243.233	243.289
8	243.575	243.681	243.732	243.742	243.846	244.362	244.377	244.287	---	243.293	243.318	243.309
9	243.585	243.677	243.738	243.735	243.858	244.329	244.376	244.322	---	243.181	243.281	243.314
10	243.585	243.676	243.736	243.738	243.868	244.375	244.367	244.288	---	243.264	243.266	243.318
11	243.588	243.685	243.741	243.726	243.916	244.333	244.370	244.252	---	243.278	243.236	243.333
12	243.596	243.686	243.739	243.719	243.943	244.353	244.378	244.217	243.787A	243.232	243.231	243.326
13	243.602	243.693	243.748	243.717	243.974	244.371	244.374	244.210	---	243.217	243.226	243.326
14	243.606	243.690	243.745	243.711	243.998	244.364	244.368	244.215	---	243.282	243.228	243.337
15	243.610	243.700	243.749	243.716	244.010	244.385	244.388	244.184	---	243.305	243.231	243.339
16	243.614	243.702	243.748	243.701	244.064	244.389	244.390	244.183	---	243.311	243.227	243.327
17	243.615	243.712	243.749	243.684	244.108	244.385	244.397	244.127	---	243.175	243.239	243.340
18	243.619	243.717	243.745	243.668	244.129	244.361	244.355	244.070	243.474A	243.174	243.238	243.343
19	243.618	243.717	243.742	243.701	244.107	244.372	244.384	244.048	---	243.195	243.254	243.344
20	243.620	243.719	243.734	243.718	244.133	244.375	244.389	244.052	---	243.194	243.262	243.352
21	243.624	243.714	243.738	243.713	244.168	244.387	244.388	243.976	---	243.195	243.254	243.354
22	243.626	243.717	243.740	243.708	244.195	244.376	244.367	243.972	243.388A	243.222	243.256	243.356
23	243.631	243.721	243.737	243.709	244.210	244.386	244.330	243.944	243.389	243.198	243.263	243.365
24	243.640	243.723	243.746	243.706	244.252	244.334	244.352	243.901	243.423	243.193	243.307	243.370
25	243.640	243.729	243.754	243.713	244.287	244.386	244.334	243.952	243.449	243.181	243.276	243.388
26	243.640	243.727	243.755	243.727	244.288	244.387	244.345	243.904	243.426	243.203	243.278	243.372
27	243.646	243.726	243.758	243.727	244.284	244.385	244.356	243.883	243.422	243.190	243.277	243.382
28	243.648	243.727	243.760	243.724	244.288	244.410	244.339	243.813	243.389	243.284	243.278	243.386
29	243.648		243.752	243.719	244.301	244.383	244.311	243.780	243.371	243.268	243.281	243.385
30	243.654		243.748	243.730	244.348	244.391	244.258	243.754	243.386	243.186	243.289	243.392
31	243.655		243.743		244.383		244.305	243.795		243.287		243.393
MEAN	243.605	243.697	243.741	243.724	244.001	244.381	244.356	244.103	---	243.263	243.249	243.338
MAX	243.655	243.729	243.758	243.759	244.383	244.410	244.404	244.323	---	243.382	243.318	243.393
MIN	243.536	243.656	243.720	243.684	243.717	244.266	244.258	243.754	---	243.174	243.212	243.278

SUMMARY FOR THE YEAR 1985

WATER LEVELS IN METRES

MAXIMUM DAILY, 244.410 ON JUN 28
MINIMUM DAILY, 243.174 ON OCT 18
MAXIMUM INSTANTANEOUS,
244.585 AT 12:47 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 33 N
LONG 98 31 34 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT BERENS RIVER - STATION NO. 05RD008

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.821	217.797	217.747	217.761	217.885	217.836	217.897A	217.830	217.852	217.600A	217.610A	217.429	1
2	217.821	217.787	217.755	217.766	217.866	217.862	217.817A	217.811	217.851	217.540A	217.520A	217.426	2
3	217.839	217.756	217.757	217.775	217.890	217.864	217.817A	217.788	217.781	217.550A	217.439A	217.426	3
4	217.837	217.756	217.762	217.788	217.874	217.922	217.827A	217.795	217.819	217.650A	---	217.476	4
5	217.840	217.767	217.763	217.777	217.884	217.916	217.887A	217.781	217.727	217.610A	217.482A	217.459	5
6	217.830	217.765	217.765	217.788	217.861	217.861	---	217.787	217.713	217.630A	217.558	217.442	6
7	217.808	217.765	217.762	217.803	217.886	217.866	216.027A	217.834	217.762	217.620A	217.553	217.450	7
8	217.811	217.764	217.747	217.808	217.882	217.904	217.847A	217.829	217.660	217.580A	217.513	217.464	8
9	217.821	217.765	217.751	217.807	217.874	217.936	217.787A	217.841	217.627	217.540A	217.474	217.426	9
10	217.812	217.762	217.747	217.815	217.889	217.932	217.827A	217.810	217.643	217.650A	217.520	217.455	10
11	217.814	217.768	217.745	217.824	217.878	217.895	217.717A	217.814	217.640	217.780A	217.485	217.436	11
12	217.811	217.764	217.740	217.831	218.001	218.044	---	217.842	217.641	217.580A	217.505	217.441	12
13	217.807	217.757	217.739	217.842	217.987	217.978	217.787A	217.846	217.685	217.510A	217.536	217.439	13
14	217.793	217.751	217.736	217.852	217.893	217.956	---	217.815	217.635	217.520A	217.532	217.411	14
15	217.788	217.763	217.732	217.848	217.886	217.958	217.827A	217.846	217.698	217.520A	217.433	217.422	15
16	217.793	217.750	217.703	217.840	218.038	217.905	217.887A	217.923	217.593	217.510A	217.488	217.416	16
17	217.788	217.767	217.728	217.837	217.995	217.917	217.767A	217.802	217.632	217.720A	217.454	217.409	17
18	217.780	217.761	217.737	217.848	217.987	217.911	217.807A	217.792	217.627	---	217.487	217.420	18
19	217.783	217.758	217.734	217.881	217.980	217.896A	217.877A	217.818	217.607	---	217.481	217.393	19
20	217.787	217.745	217.728	217.882	217.970	217.987A	---	217.882	217.601	---	217.445	217.418	20
21	217.785	217.745	217.722	217.864	217.980	217.937A	---	217.788	217.603	217.510A	217.468	217.423	21
22	217.779	217.741	217.743	217.876	217.983	217.957A	217.787A	217.818	217.638	217.620A	217.448	217.413	22
23	217.774	217.753	217.734	217.885	217.985	217.657A	217.635A	217.722	217.612	217.570A	217.461	217.410	23
24	217.777	217.744	217.745	217.885	217.988	217.907A	217.853	217.732	217.517	217.520A	217.464	217.408	24
25	217.787	217.760	217.754	217.888	217.983	217.887A	217.758	217.865	217.280	---	217.413	217.396	25
26	217.770	217.759	217.738	217.886	217.976	217.867A	217.809	217.762	217.394A	---	217.449	217.409	26
27	217.762	217.751	217.728	217.903	217.972	---	217.788	217.749	217.587A	217.610A	217.461	217.394	27
28	217.764	217.748	217.744	217.915	217.974	218.007A	217.752	217.764	217.587A	217.680A	217.430	217.397	28
29	217.780		217.747	217.918	217.981	217.867A	217.801	217.745	217.617A	217.570A	217.462	217.430	29
30	217.776		217.762	217.943	217.977	217.867A	217.864	217.726	217.717A	---	217.445	217.409	30
31	217.786		217.757		217.954		217.870	217.783		217.980A		217.398	31
MEAN	217.799	217.756	217.743	217.844	217.980	---	---	217.808	217.627	---	---	217.423	MEAN
MAX	217.840	217.787	217.787	217.943	218.038	---	---	217.882	217.819	---	---	217.474	MAX
MIN	217.762	217.741	217.722	217.761	217.954	---	---	217.722	217.280	---	---	217.393	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1984

A - MANUAL GAUGE

MAXIMUM DAILY, 218.044 ON JUN 12

MAXIMUM INSTANTANEOUS,
218.376 AT 13:41 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 21 20 N
LONG 97 00 15 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)
APPLY .000 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT GEORGE ISLAND - STATION NO. 05RE003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.750	217.745	217.748	217.909	217.935	217.902	217.842	217.627	---	---	---	1
2	---	217.755	217.747	217.759	217.918	217.976	217.876	217.864	217.685	---	---	---	2
3	217.785A	217.755	217.755	217.760	217.932	217.928	217.933	217.910	217.677	---	---	---	3
4	217.781	217.762	217.736	217.774	217.939	217.914	217.882	217.878	217.620	---	---	---	4
5	217.785	217.762	217.733	217.785	217.926	217.926	217.932	217.883	217.614	---	---	---	5
6	217.777	217.764	217.727	217.787	217.941	217.949	217.923	217.882	217.726	---	---	---	6
7	217.781	217.762	217.728	217.807	217.945	217.906	217.875	217.897	217.782	---	---	---	7
8	217.781	217.758	217.720	217.807	217.946	217.909	217.885	217.883	217.688	---	---	---	8
9	217.782	217.767	217.726	217.815	217.948	217.955	217.873	217.847	217.697	---	---	---	9
10	217.782	217.756	217.737	217.823	217.881	217.926	217.876	217.834	217.708	---	---	---	10
11	217.788	217.762	217.744	217.834	217.903	217.930	217.890	217.808	217.699	---	---	---	11
12	217.778	217.763	217.742	217.831	217.978	217.978	217.888	217.842	217.647	---	---	---	12
13	217.778	217.761	217.748	217.827	217.977	217.938	217.884	217.833A	217.616	---	---	---	13
14	217.780	217.746	217.760	217.833	217.989	217.934	217.907	---	217.601	---	---	---	14
15	217.773	217.734	217.748	217.836	217.985	217.915	217.922	---	217.617	---	---	---	15
16	217.772	217.731	217.747	217.842	217.988	217.899	217.885	---	217.636	---	---	---	16
17	217.774	217.737	217.731	217.847	217.947	217.943	---	---	217.628	---	---	---	17
18	217.770	217.738	217.736	217.852	217.972	217.954	---	---	217.605	---	---	---	18
19	217.767	217.741	217.725	217.874	217.976	217.935	---	---	217.615	---	---	---	19
20	217.761	217.745	217.724	217.880	217.975	217.932	---	---	217.605	---	---	---	20
21	217.768	217.760	217.726	217.884	217.974	217.884	---	---	217.594	---	---	---	21
22	217.749	217.743	217.747	217.876	217.973	217.863	---	---	217.603	---	---	---	22
23	217.738	217.760	217.730	217.885	217.974	217.933	217.916	---	217.605	---	---	---	23
24	217.745	217.744	217.733	217.887	217.974	217.935	217.868	---	---	---	---	---	24
25	217.748	217.749	217.742	217.882	217.988	217.870	217.883	---	---	---	---	---	25
26	217.741	217.736	217.741	217.886	217.971	217.870	218.004	---	---	---	---	---	26
27	217.748	217.735	217.755	217.887	217.988	217.880	217.812	217.748A	---	---	---	---	27
28	217.754	217.749	217.758	217.893	217.988	217.916	217.893	217.731	---	---	---	---	28
29	217.745		217.753	217.915	217.985	217.920	217.910	217.743	---	---	---	---	29
30	217.738		217.752	217.913	217.947	217.939	217.930	217.738	---	---	---	---	30
31	217.735		217.759		217.968		217.876	217.688	---	---	---	---	31
MEAN	---	217.748	217.741	217.841	217.950	217.936	---	---	---	---	---	---	MEAN
MAX	---	217.764	217.758	217.915	217.988	217.978	---	---	---	---	---	---	MAX
MIN	---	217.731	217.720	217.748	217.908	217.899	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 48 00 N
LONG 97 37 20 W

REGULATED

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)
APPLY .083 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1976 ADJ.)

LAKE WINNIPEG AT GIMLI - STATION NO. 05OB005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	217.816	217.761	217.756	217.764	218.021	218.077	217.902	217.885	217.938	217.595	217.675	217.393
2	217.826	217.763	217.751	217.805	217.946	217.787	217.908	217.889	217.821	217.787	217.569	217.426
3	217.827	217.729	217.709	217.833	217.918	218.033	217.821	217.791	217.803	217.729	217.589	217.480
4	217.805	217.789	217.697	217.808	217.959	218.117	217.903	217.821	217.864	217.360	217.173	217.456
5	217.836	217.786	217.771	217.809	218.101	217.941	217.795	217.774	218.103	217.056	217.619	217.442
6	217.812	217.773	217.788	217.788	218.087	217.852	217.883	217.791	217.883	217.502	217.643	217.481
7	217.786A	217.774	217.748	217.814	218.003	218.138	217.938	217.818	217.773	217.688	217.582	217.488
8	217.776A	217.781	217.784	217.836	218.011	218.108	217.831	217.850	217.841	217.805	218.227A	217.436
9	217.824	217.773	217.800	217.817	217.988	217.845	217.851	217.818	217.850	217.686	218.338A	217.511
10	217.770	217.762	217.769	217.825	217.886	218.054	217.800	217.846	217.838	217.142	217.002	217.430A
11	217.775	217.763	217.800	217.848	217.989	217.814	217.749	217.807	217.849	217.821	217.681A	217.471
12	217.838	217.736	217.766	217.867	217.881	217.811	217.884	217.845	217.825	217.591	---	217.438
13	217.773	217.770	217.778	217.867	217.945	218.031	217.884	217.857	217.785	217.271	---	217.392
14	217.804	217.733	217.773	217.888	217.915	218.016	217.857	217.830	217.885	217.891	---	217.461
15	217.787	217.746	217.782	217.880	217.931	217.983	217.780	217.778	217.896	217.481	---	217.413
16	217.789	217.762	217.789	217.861	217.956	218.142	217.788	217.818	217.818	217.689	---	217.413
17	217.773	217.800	217.767	217.852	218.144	217.853	217.856	217.861	217.861	217.341	---	217.429
18	217.781	217.776	217.780	217.880	217.977	217.870	217.729	217.831	217.780	217.283	---	217.383
19	217.758	217.784	217.788	217.882	217.887	217.826	217.822	217.880	217.836	217.646	---	217.431
20	217.782	217.788	217.728	217.824	217.883	217.885	217.886	217.846	217.828	217.610	---	217.396
21	217.778	217.746	217.742	217.884	217.952	217.846	217.783	217.804	217.867	217.478	217.427A	217.384
22	217.772	217.774	217.733	217.858	217.973	217.843	217.815	217.881	217.868	217.855	217.481	217.404
23	217.782	217.754	217.781	217.818	217.975	218.088	217.884	217.778	217.889	217.815	217.457	217.407
24	217.763	217.782	217.784	217.887	217.989	217.770	217.876	217.818	217.835	217.398	217.383	217.382
25	217.778	217.781	217.797	217.810	218.009	217.886	217.820	217.786	217.868	217.385	217.472	217.440
26	217.789	217.788	217.782	217.871	217.973	217.812	217.731	217.889	217.384	217.381	217.445	217.376
27	217.736	217.782	217.728	217.840	217.962	217.846	217.884	217.784	217.884	217.576	217.418	217.381
28	217.761	217.781	217.761	217.868	217.962	217.885	217.770	217.832	217.847	217.647	217.486	217.385
29	217.760		217.767	217.814	217.963	217.848	217.738	217.835	217.860	217.721	217.467	217.403
30	217.782		217.761	218.007	218.043	217.818	217.728	217.831	217.882	217.348	217.423	217.357
31	217.763		217.778		218.011		217.877	217.795		217.527		217.465
MEAN	217.784	217.765	217.770	217.870	217.979	217.946	217.790	217.787	217.877	217.537	---	217.423
MAX	217.836	217.800	217.807	218.007	218.144	218.142	217.938	217.868	218.103	217.856	---	217.511
MIN	217.736	217.729	217.728	217.764	217.887	217.696	217.604	217.616	217.384	217.142	---	217.357

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 218.338A ON NOV 8
MINIMUM DAILY, 217.142 ON OCT 10
MAXIMUM INSTANTANEOUS,
218.551E AT 04:06 CST ON NOV 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 00 N
LONG 96 56 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1986)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1986 ADJ.)

LAKE WINNIPEG AT MATHESON ISLAND LANDING - STATION NO. 05OB002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	217.744	217.731	217.888	217.908	217.812	217.883	217.883	217.821	---	---
2	---	---	217.769	217.754	217.882	217.893	217.784	217.872	217.890	217.857	---	---
3	---	---	217.760	217.769	217.877	217.893	217.769	217.801	217.713	217.877	---	---
4	---	---	217.757	217.756	217.901	217.902	217.831	217.818	217.916	217.893	---	---
5	---	---	217.743	217.756	217.926	217.907	217.806	217.783	217.890	217.866	---	---
6	---	---	217.748	217.780	217.939	217.916	217.817	217.788	217.716	217.829	---	---
7	---	---	217.726	217.777	217.936A	218.049	217.888	217.838	217.782	217.881	---	---
8	---	---	217.767	217.763	217.933	217.930	217.830	217.841	217.781	217.898	---	---
9	---	---	217.767	217.774	217.940	217.913	217.835	217.801	217.813	217.855	---	---
10	---	---	217.745	217.765	217.903	217.879	217.807	217.858	217.836	217.841	---	---
11	---	---	217.780	217.784	217.942	217.885	217.885	217.818	217.868	217.893	---	---
12	---	---	217.740	217.783	217.936	217.878	217.746	217.778	217.716	217.820	---	---
13	---	---	217.786	217.813	217.935	217.884	217.785	217.800	217.675	217.802	---	---
14	---	---	217.751	217.839	217.933	217.857	217.748	217.825	217.858	217.802	---	---
15	---	---	217.741	217.829	217.930	217.877	217.781	217.829	217.817	217.842	---	---
16	---	---	217.782	217.810	218.011	217.851	217.819	217.883	217.826	217.826	---	---
17	---	---	217.726	217.801	218.002	217.880	217.887	217.838	217.813	217.862	---	---
18	---	---	217.743	217.816	217.995	217.886	217.800	217.719	217.826	217.863	---	---
19	---	---	217.732	217.862	217.990	217.886	217.887	217.811	217.590	217.861	---	---
20	---	---	217.713	217.883	217.813	217.906	217.806	218.035	217.801	217.861	---	---
21	---	---	217.711	217.824	217.882	217.809	217.806	217.761	217.672	217.823	---	---
22	---	---	217.728	217.831	217.900	217.849	217.781	217.784	217.810	217.884	---	---
23	---	---	217.721	217.863	217.873	217.928	217.787	217.781	217.806	217.867	---	---
24	---	---	217.743	217.836	217.861	217.778	217.876	217.873	217.884	217.867	---	---
25	---	---	217.747	217.868	217.976	217.830	217.787	217.885	217.217	217.836	---	---
26	---	---	217.726	217.872	217.889	217.885	217.816	217.781	217.801	217.811	---	---
27	---	---	217.709	217.885	217.900	217.828	217.828	217.759	217.588	217.881	---	---
28	---	---	217.725	217.882	217.886	217.826	217.748	217.784	217.592	217.888	---	---
29	---		217.723	217.886	217.881	217.873	217.801	217.877	217.588	217.861	---	---
30	---		217.718	217.882	218.013	217.861	217.826	217.858	217.882	217.380	---	---
31	---		217.701		217.884		217.814	217.810		217.742		---
MEAN	---	---	217.738	217.813	217.949	217.820	217.811	217.789	217.635	217.559	---	---
MAX	---	---	217.786	217.882	218.013	218.049	217.917	218.035	217.916	217.743	---	---
MIN	---	---	217.701	217.731	217.877	217.778	217.695	217.573	217.217	217.380	---	---

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 218.049 ON JUN 7
MINIMUM DAILY, 217.217 ON SEP 25
MAXIMUM INSTANTANEOUS,
218.271 AT 14:58 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 00 N
LONG 96 54 00 W

A - MANUAL GAUGE

REGULATED SINCE 1

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1986)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1986 ADJ.)

LAKE WINNIPEG AT MISSION POINT - STATION NO. 05SC001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.828	217.778	217.775	217.758	217.888	217.951	217.829	217.770	217.686	217.515	217.295	217.484	1
2	217.831	217.782	217.761	217.764	217.819	218.035	217.862	217.735	217.759	217.559	217.472	217.430	2
3	217.830	217.788	217.767	217.760	217.845	217.900	217.923	217.817	217.669	217.509	217.434	217.427	3
4	217.831	217.786	217.755	217.776	217.814	217.923	217.859	217.806	217.492	217.571	217.589	217.458	4
5	217.802	217.786	217.769	217.790	217.888	217.861	217.830	217.831	217.461	217.508	217.430	217.451	5
6	217.818	217.748	217.748	217.784	217.900	217.988	217.712	217.828	217.801	217.554	217.388	217.453	6
7	217.850	217.748	217.765	217.765	217.839	217.815	217.789	217.789	217.542	217.508	217.525	217.447	7
8	217.846	217.742	217.763	217.802	217.840	217.928	217.841	217.788	217.614	217.466	217.305	217.448	8
9	217.801	217.744	217.762	217.830	217.851	217.884	217.837	217.775	217.586	217.583	217.171	217.411	9
10	217.828	217.748	217.772	217.819	218.000	217.889	217.846	217.783	217.585	217.531	217.355	217.455	10
11	217.809	217.755	217.752	217.789	217.987	218.008	217.907	217.829	217.675	217.482	217.421	217.426	11
12	217.791	217.760	217.773	217.803	217.986	217.859	217.856	217.868	217.584	217.502	217.311	217.442	12
13	217.815	217.762	217.763	217.808	217.986	217.858	217.815	217.855	217.677	217.545	217.503	217.468	13
14	217.814	217.764	217.760	217.803	217.985	217.877	217.885	217.822	217.611	217.530	217.442	217.444	14
15	217.810	217.746	217.761	217.821	217.959	217.899	217.829	217.798	217.622	217.585	217.488	217.458	15
16	217.807	217.759	217.737	217.843	217.937	217.853	217.812	217.632	217.681	217.803	217.455	217.452	16
17	217.784	217.738	217.747	217.852	217.920	217.944	217.815	217.780	217.636	217.879	217.447	217.446	17
18	217.788	217.749	217.736	217.852	217.884	217.935	217.779	217.856	217.603	217.858	217.467	217.447	18
19	217.788	217.752	217.734	217.848	218.080	217.813	217.757	217.837	217.622	217.551	217.476	217.440	19
20	217.777	217.771	217.787	217.841	218.049	217.900	217.785	217.805	217.820	217.571	217.483	217.444	20
21	217.765	217.774	217.770	217.885	218.006	217.902	217.777	217.785	217.644	217.583	217.473	217.451	21
22	217.768	217.771	217.737	217.882	217.985	217.869	217.818	217.802	217.608	217.502	217.454	217.431	22
23	217.763	217.786	217.734	217.855	217.970	217.828	217.844	217.801	217.620	217.565	217.480	217.440	23
24	217.758	217.768	217.727	217.885	217.987	217.981	217.747	217.912	217.692	217.592	217.532	217.426	24
25	217.744	217.773	217.726	217.885	217.959	217.934	217.824	217.845	218.052	217.632	217.444	217.419	25
26	217.763	217.751	217.762	217.854	217.980	217.878	217.814	217.699	217.862	217.536	217.503	217.442	26
27	217.788	217.764	217.778	217.861	217.988	217.816	217.788	217.710	217.650	217.542	217.458	217.432	27
28	217.749	217.783	217.761	217.873	217.994	217.835	217.845	217.748	217.647	217.330	217.448	217.412	28
29	217.760		217.748	217.911	217.970	217.863	217.831	217.786	217.626	217.437	217.459	217.418	29
30	217.760		217.757	217.885	217.930	217.870	217.800	217.795	217.588	217.592	217.476	217.429	30
31	217.782		217.741		217.948		217.725	217.853		217.235		217.383	31
MEAN	217.795	217.761	217.755	217.830	217.963	217.905	217.817	217.776	217.646	217.554	217.440	217.439	MEAN
MAX	217.850	217.789	217.785	217.911	218.080	218.035	217.923	217.812	218.052	217.683	217.589	217.494	MAX
MIN	217.744	217.739	217.726	217.744	217.888	217.815	217.712	217.606	217.461	217.235	217.171	217.383	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 217.723
MAXIMUM DAILY, 218.080 ON MAY 19
MINIMUM DAILY, 217.171 ON NOV 9
MAXIMUM INSTANTANEOUS,
218.318 AT 21:14 CST ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 11 00 N
LONG 99 13 30 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1986)
APPLY .064 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1969 ADJ.)

LAKE WINNIPEG AT MONTREAL POINT - STATION NO. 05RF001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.810	217.800	217.808	217.947	217.901	217.854	217.772	217.640	217.579	217.388	217.480	1
2	---	217.800	217.783	217.787	217.980	217.981	217.907	217.780	217.789	217.523	217.449	217.405	2
3	---	217.805	217.795	217.787	217.985	217.885	217.972	217.831	217.710	217.537	217.420	217.431	3
4	---	217.787	217.773	217.823	217.984	217.874	217.898	217.812	217.481	217.509	217.453	217.445	4
5	---	217.778	217.780	217.826	217.959	217.942	217.991	217.828	217.458	217.507	217.427	217.434	5
6	---	217.768	217.782	217.834	217.973	217.949	218.074	217.831	217.653	217.639	217.372	217.438	6
7	---	217.772	217.795	217.826	217.985	217.877	217.917	217.819	217.595	217.470	217.385	217.422	7
8	---	217.767	217.774	217.825	218.007	217.915	217.888	217.820	217.576	217.477	216.783	217.409	8
9	---	217.772	217.777	217.830	218.002	217.857	217.861	217.730	217.687	217.784	217.150	217.405	9
10	---	217.782	217.782	217.831	218.058	217.889	217.858	217.805	217.646	217.577	217.407	217.432	10
11	---	217.782	217.786	217.842	218.017	218.028	217.902	217.885	217.801	217.467	217.407	217.432	11
12	---	217.808	217.787	217.841	218.038	218.026	217.902	217.905	217.661	217.891	217.358	217.447	12
13	---	217.800	217.763	217.835	217.984	217.988	217.848	217.855	217.592	217.640	217.503	217.448	13
14	---	217.800	217.765	217.831	217.982	217.990	217.883	217.829	217.583	217.503	217.412	217.440	14
15	---	217.790	217.784	217.853	218.007	217.951	217.851	217.884	217.588	217.628	217.468	217.437	15
16	---	217.782	217.782	217.872	217.953	217.913	217.822	217.781	217.673	217.586	217.412	217.432	16
17	---	217.781	217.787	217.885	217.934	217.884	217.808	217.788	217.589	217.663	217.453	217.439	17
18	---	217.782	217.748	217.864	217.981	217.982	217.906	217.831	217.576	217.643	217.460	217.440	18
19	---	217.784	217.746	217.898	218.042	217.956	217.851	217.878	217.613	217.546	217.418	217.420	19
20	---	217.789	217.783	217.898	218.023	217.972	217.860	217.880	217.598	217.587	217.445	217.430	20
21	---	217.800	217.783	217.917	217.984	217.981	217.886	217.840	217.585	217.559	217.442	217.432	21
22	217.801A	217.795	217.754	217.927	217.973	217.919	217.861	217.800	217.907	217.663	217.436	217.436	22
23	217.762	217.787	217.739	217.926	217.988	217.876	217.819	217.825	217.611	217.587	217.456	217.421	23
24	217.770	217.782	217.720	217.955	217.955	218.032	217.783	217.843	217.648	217.583	217.482	217.421	24
25	217.773	217.787	217.723	217.936	217.945	218.010	217.885	217.808	217.684	217.629	217.440	217.401	25
26	217.778	217.779	217.758	217.911	217.969	217.935	217.888	217.885	217.648	217.529	217.487	217.407	26
27	217.783	217.780	217.783	217.930	217.942	217.945	217.816	217.733	217.584	217.535	217.437	217.412	27
28	217.789	217.785	217.787	217.934	217.953	217.899	217.883	217.788	217.605	217.318	217.425	217.400	28
29	217.802		217.774	217.972	217.913	217.903	217.877	217.800	217.619	217.429	217.440	217.389	28
30	217.806		217.783	217.963	217.883	217.958	217.885	217.775	217.579	217.885	217.458	217.383	30
31	217.804		217.780		217.900		217.779	217.803		217.267		217.372	31
MEAN	---	217.790	217.769	217.873	217.974	217.946	217.883	217.800	217.589	217.557	217.409	217.423	MEAN
MAX	---	217.810	217.800	217.972	218.056	218.028	218.074	217.843	217.789	217.784	217.853	217.480	MAX
MIN	---	217.767	217.720	217.787	217.883	217.874	217.779	217.803	217.458	217.267	216.783	217.372	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 218.074 ON JUL 6
MINIMUM DAILY, 216.783 ON NOV 8
MAXIMUM INSTANTANEOUS,
218.341 AT 19:25 CST ON JUL 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 37 30 N
LONG 97 50 40 W

A - MANUAL GAUGE

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1986)
APPLY .063 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1976 ADJ.)

LAKE WINNIPEG AT PINE DOCK - STATION NO. 05SD001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	217.806	217.728	217.741	217.747	217.838	217.881	217.834	217.673	217.761	---	---	---
2	217.802	217.736	217.764	217.774	217.821	217.886	217.838	217.850	217.630	---	---	---
3	217.805	217.730	217.752	217.762	217.807	218.024	217.762	217.823	217.688	---	---	---
4	217.814	217.737	217.765	217.774	217.820	218.006	217.840	217.824	217.903	---	---	---
5	217.817	217.737	217.748	217.775	217.857	217.934	217.811	217.812	217.911	---	217.560A	---
6	217.797	217.745	217.761	217.775	217.885	217.928	217.806	217.804	217.701	---	217.558	---
7	217.786	217.747	217.732	217.788	217.860	218.087	217.806	217.868	217.738	---	217.382	---
8	217.784	217.751	217.766	217.808	217.864	217.893	217.850	217.875	217.805	---	217.719	---
9	217.784	217.751	217.783	217.793	217.854	217.825	217.868	217.801	217.479	---	---	---
10	217.767	217.743	217.741	217.801	217.911	218.008	217.815	217.890	217.500A	---	---	---
11	217.782	217.740	217.756	217.812	217.952	217.895	217.722	217.818	---	---	---	---
12	217.780	217.730	217.741	217.824	217.934	217.871	217.714	217.793	---	---	---	---
13	217.756	217.745	217.743	217.833	217.941	218.024	217.808	217.820	---	---	---	---
14	217.755	217.727	217.742	217.850	217.939	217.990	217.757	217.865	---	---	---	---
15	217.750	217.736	217.732	217.868	217.941	217.984	217.804	217.851	---	---	---	---
16	217.746	217.737	217.742	217.833	217.999	218.008	217.841	217.870	---	---	---	---
17	217.758	217.767	217.736	217.826	218.037	217.895	217.833	217.867	---	---	---	---
18	217.754	217.754	217.739	217.839	217.967	217.898	217.831	217.726	---	---	---	---
19	217.740	217.755	217.743	217.876	217.896	217.917	217.893	217.710	---	---	---	---
20	217.752	217.735	217.710	217.868	217.912	217.935	217.838	218.040	---	---	---	---
21	217.747	217.731	217.711	217.859	217.955	217.906	217.820	217.817	---	---	---	---
22	217.743	217.741	217.727	217.853	217.964	217.870	217.778	217.784	---	---	---	---
23	217.748	217.743	217.735	217.868	217.973	217.866	217.760	217.750	---	---	---	---
24	217.752	217.753	217.748	217.877	217.990	217.811	217.905	217.601	---	---	---	---
25	217.761	217.744	217.753	217.882	217.990	217.702	217.776	217.850	---	---	---	---
26	217.751	217.768	217.744	217.912	217.972	217.909	217.818	217.784	---	---	---	---
27	217.720	217.760	217.712	217.901	217.967	217.926	217.863	217.773	---	---	---	---
28	217.760	217.739	217.736	217.925	217.983	217.942	217.771	217.723	---	---	---	---
29	217.744		217.734	217.905	217.990	217.905	217.813	217.675	---	---	---	---
30	217.735		217.731	217.926	218.024	217.884	217.862	217.643	---	---	---	---
31	217.728		217.755		217.970		217.918	217.754		---		---
MEAN	217.763	217.743	217.742	217.840	217.958	217.940	217.828	217.812	---	---	---	---
MAX	217.817	217.768	217.765	217.926	218.037	218.087	217.934	218.040	---	---	---	---
MIN	217.720	217.720	217.710	217.747	217.896	217.702	217.714	217.601	---	---	---	---

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 30 N
LONG 96 47 45 W

MAXIMUM DAILY, 218.087 ON JUN 7

MAXIMUM INSTANTANEOUS,
218.175 AT 17:10 CST ON JUN 12

REGULATED SINCE 1

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)
APPLY .024 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1964 ADJ.)

LAKE WINNIPEG AT VICTORIA BEACH - STATION NO. 05SA003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	217.848	217.783	217.795	217.812	218.072	218.123	217.938	217.945	217.886	217.841	217.788	217.428
2	217.857	217.807	217.835	217.845	217.963	217.821	217.966	218.061	217.654	217.792	217.659	217.469
3	217.873	217.771	217.806	217.862	217.952	218.065	217.895	217.859	217.654	217.773	217.632	217.529
4	217.847	217.805	217.858	217.855	217.981	218.172	217.862	217.884	218.060	217.447	217.270	217.494
5	217.881	217.800	217.817	217.856	218.116	217.982	217.787	217.828	218.257	217.906	217.476	217.470
6	217.856	217.817	217.840	217.833	218.136	217.884	217.828	217.806	217.918	217.563	217.689	217.482
7	217.812	217.822	217.792	217.860	218.041	218.175	218.013	217.874	217.865	217.733	217.552	217.488
8	217.781	217.827	217.835	217.879	218.038	218.189	217.886	217.927	217.875	217.870	218.110	217.486
9	217.865	217.816	217.846	217.858	218.007	217.887	217.898	217.971	217.862	217.539	218.451	217.548
10	217.808	217.805	217.805	217.860	217.921	218.092	217.834	218.039	217.676	217.241	---	217.458
11	217.817	217.801	217.848	217.863	218.023	217.983	217.762	217.871	217.890	217.871	---	217.508
12	217.878	217.780	217.813	217.907	217.928	217.893	217.678	217.710	217.851	217.802	---	217.457
13	217.817	217.815	217.824	217.904	217.983	218.104	217.847	217.733	217.823	217.426	---	217.418
14	217.854	217.772	217.818	217.937	217.953	218.094	217.717	217.862	217.728	217.721	---	217.476
15	217.817	217.813	217.806	217.930	217.982	218.023	217.788	217.840	217.724	217.558	---	217.462
16	217.820	217.806	217.802	217.898	217.997	218.210	217.847	217.984	217.539	217.831	---	217.464
17	217.825	217.848	217.815	217.886	218.102	217.916	217.908	218.037	217.586	217.384	---	217.476
18	217.834	217.826	217.802	217.886	218.029	217.919	217.787	217.586	217.747	217.337	---	217.429
19	217.801	217.832	217.834	217.935	217.921	217.974	217.967	217.827	217.657	217.715	---	217.476
20	217.831	217.789	217.763	217.966	217.920	217.938	217.845	218.022	217.686	217.716	---	217.436
21	217.818	217.778	217.776	217.932	217.984	217.904	217.808	217.868	217.807	217.874	---	217.420
22	217.810	217.817	217.771	217.887	218.002	218.003	217.871	217.835	217.823	217.817	---	217.441
23	217.828	217.795	217.820	217.956	218.008	218.142	217.863	217.841	217.864	217.717	---	217.445
24	217.833	217.830	217.820	217.924	218.038	217.840	217.843	217.867	217.848	217.582	---	217.417
25	217.830	217.801	217.836	217.948	218.037	217.716	217.883	217.815	217.486	217.545	217.573A	217.477
26	217.836	217.848	217.831	218.004	218.016	217.954	217.778	217.945	217.295	217.467	217.487	217.408
27	217.776	217.836	217.784	217.977	218.003	218.012	217.928	217.855	217.628	217.620	217.461	217.425
28	217.831	217.787	217.802	218.005	217.982	218.034	217.831	217.728	217.588	217.714	217.532	217.423
29	217.808		217.815	217.948	218.024	218.011	217.793	217.588	217.597	217.787	217.490	217.441
30	217.806		217.800	218.032	218.082	217.875	217.837	217.582	217.738	217.406	217.462	217.388
31	217.792		217.821		218.039		217.276	217.784		217.589		217.486
MEAN	217.828	217.805	217.813	217.910	218.013	217.980	217.648	217.830	217.716	217.628	---	217.458
MAX	217.881	217.848	217.858	218.032	218.182	218.210	218.013	218.061	218.257	217.906	---	217.548
MIN	217.776	217.771	217.763	217.812	217.920	217.716	217.883	217.467	217.295	217.241	---	217.388

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 30 N
LONG 96 34 10 W

MAXIMUM DAILY, 218.451 ON NOV 9
MINIMUM DAILY, 217.241 ON OCT 10
MAXIMUM INSTANTANEOUS,
218.717 AT 05:20 CST ON NOV 8

REGULATED SINCE 1

WATER LEVELS ARE REFERRED TO LAKE WINNIPEG DATUM (1955)
APPLY .043 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1962 ADJ.)

LAKE WINNIPEGOSIS AT DAWSON BAY - STATION NO. 05LD002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	253.044E	253.046	253.062	253.111	253.213	253.349	253.282	253.195	253.180	253.091	252.881	253.051	1
2	253.048E	253.056	253.064	253.101	253.222	253.407	253.382	253.246	253.204	253.055	253.047	253.019	2
3	253.047E	253.057	253.062	253.114	253.233	253.246	253.349	253.280	253.083	253.174	253.017	253.033	3
4	253.048E	253.046	253.062	253.130	253.220	253.305	253.298	253.287	252.985	253.019	253.121	253.051	4
5	253.048E	253.048	253.068	253.128	253.209	253.413	253.222	253.310	253.000	253.083	253.018	253.032	5
6	253.051E	253.038	253.056	253.131	253.223	253.320	253.155	253.274	253.033	253.122	252.989	253.054	6
7	253.052A	253.039	253.078	253.122	253.246	253.174	253.256	253.217	253.025	252.983	253.127	253.046	7
8	253.046	253.036	253.066	253.133	253.241	253.369	253.314	253.232	253.124	252.999	252.837	253.036	8
9	253.034	253.035	253.076	253.148	253.250	253.381	253.328	253.179	253.155	253.215	252.718	253.033	9
10	253.047	253.033	253.081	253.123	253.284	253.291	253.354	253.232	253.136	252.883	252.925	253.048	10
11	253.037	253.044	253.077	253.117	253.272	253.442	253.382	253.285	253.144	253.006	253.008	253.038	11
12	253.036	253.046	253.086	253.141	253.277	253.142	253.417	253.295	253.027	253.130	253.026	253.049	12
13	253.043	253.038	253.085	253.139	253.288	253.232	253.377	253.252	253.076	253.085	253.043	253.055	13
14	253.053	253.051	253.079	253.141	253.281	253.260	253.341	253.255	253.086	253.030	253.023	253.048	14
15	253.046	253.042	253.082	253.155	253.315	253.288	253.325	253.203	253.143	253.089A	253.040	253.052	15
16	253.046	253.043	253.071	253.184	253.230	253.322	253.293	253.099	253.178	253.088	253.022	253.046	16
17	253.036	253.037	253.087	253.188	253.276	253.363	253.364	253.224	253.072	253.114	253.031	253.048	17
18	253.042	253.046	253.073	253.186	253.325	253.336	253.265	253.318	253.077	253.097	253.034	253.039	18
19	253.045	253.048	253.077	253.169	253.348	253.362	253.254	253.237	253.105	253.046	253.027	253.048	19
20	253.041	253.057	253.082	253.187	253.364	253.314	253.302	252.978	253.105	253.077	253.048	253.042	20
21	253.034	253.050	253.095	253.188	253.362	253.298	253.241	253.294	253.135	253.075	253.033	253.048	21
22	253.039	253.061	253.072	253.173	253.359	253.229	253.336	253.183	253.093	253.023	253.033	253.038	22
23	253.041	253.052	253.080	253.161	253.334	253.326	253.302	253.257	253.083	253.085	253.050	253.045	23
24	253.038	253.058	253.084	253.185	253.304	253.437	253.135	253.303	253.188	253.067	253.052	253.034	24
25	253.029	253.063	253.075	253.190	253.328	253.318	253.334	253.066	253.861	253.094	253.038	253.043	25
26	253.040	253.057	253.107	253.169	253.334	253.280	253.268	253.171	253.299	253.043	253.052	253.045	26
27	253.051	253.058	253.108	253.173	253.340	253.221	253.325	253.172	253.131	253.069	253.039	253.038	27
28	253.031	253.074	253.098	253.185	253.343	253.262	253.317	253.219	253.151	252.914	253.032	253.034	28
29	253.039		253.097	253.210	253.331	253.335	253.295	253.204	253.074	252.979	253.038	253.044	29
30	253.038		253.106	253.203	253.314	253.318	253.255	253.205	253.078	253.128	253.045	253.032	30
31	253.050		253.097		253.341		253.170	253.075		252.803		253.028	31
MEAN	253.043	253.049	253.080	253.153	253.282	253.311	253.288	253.216	253.124	253.054	253.013	253.042	MEAN
MAX	253.053	253.074	253.109	253.210	253.382	253.442	253.417	253.318	253.561	253.215	253.127	253.055	MAX
MIN	253.029	253.033	253.056	253.101	253.209	253.142	253.135	252.978	252.985	252.803	252.718	253.018	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 253.140
MAXIMUM DAILY, 253.561 ON SEP 25
MINIMUM DAILY, 252.718 ON NOV 8
MAXIMUM INSTANTANEOUS,
253.722 AT 18:43 CST ON SEP 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 30 N
LONG 100 58 30 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1962 ADJ.)

LAKE WINNIPEGOSIS AT WINNIPEGOSIS - STATION NO. 05LH001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	253.277	253.272	253.290	253.361	253.443	253.519	253.570	253.618	253.417	253.346	253.309	253.225	1
2	253.277	253.272	253.291	253.386	253.446	253.381A	253.435	253.504	253.309	253.419	253.322	253.255	2
3	253.276	253.269	253.287	253.366	253.448	253.658A	253.380	253.478	253.396	253.174	253.262	253.254	3
4	253.269	253.277	253.295	253.352	253.472	253.600	253.472	253.478	253.631	253.259	253.075	253.244	4
5	253.281	253.276	253.292	253.359	253.509	253.489	253.597	253.455	253.567	253.375	253.270	253.256	5
6	253.267	253.285	253.301	253.361	253.513	253.567	253.536	253.484	253.445	253.227	253.357A	253.243	6
7	253.250	253.283	253.288	253.370	253.520	253.724	253.553	253.547	253.403	253.451	253.288A	253.256	7
8	253.256	253.285	253.316	253.370	253.524	253.498	253.511	253.509	253.379	253.426	254.048	253.261	8
9	253.258A	253.286	253.308	253.361	253.530	253.480	253.503	253.638A	253.284	253.054	253.681	253.265	9
10	253.284E	253.282	253.304	253.386	253.471	253.845	253.492	253.518	253.308	253.374	253.397A	253.248	10
11	253.284A	253.283	253.309	253.397	253.525	253.367	253.486	253.435	253.326	253.480	253.281A	253.257	11
12	253.272	253.277	253.303	253.389	253.495	253.656	253.432	253.386	253.579	253.160	253.227	253.248	12
13	253.267	253.281	253.309	253.385	253.487	253.630	253.473	253.472	253.343	253.224	253.224	253.244	13
14	253.259	253.285	253.314	253.402	253.512	253.588	253.488	253.471	253.346	253.417	253.237	253.251	14
15	253.284	253.283	253.323	253.382	253.461	253.605	253.486	253.472	253.301	253.203	253.229	253.248	15
16	253.285	253.281	253.322	253.382	253.620A	253.537	253.558	253.553	253.216	253.224	253.241	253.247	16
17	253.271	253.284	253.303	253.385	253.587	253.478	253.532	253.426	253.386	253.190	253.231	253.245	17
18	253.286	253.280	253.320	253.383	253.514	253.520	253.422	253.306	253.330	253.220	253.233	253.245	18
19	253.269	253.282	253.305	253.405	253.478	253.508A	253.594	253.419	253.292	253.276	253.257A	253.248	18
20	253.278	253.280	253.303	253.416	253.478	253.529A	253.516	253.622	253.293	253.232	253.238	253.248	20
21	253.275	253.281	253.281	253.381	253.472	253.530	253.519	253.336	253.286	253.236	253.247	253.241	21
22	253.274	253.286	253.316	253.403	253.488	253.523	253.441	253.453	253.272	253.326	253.242	253.245	22
23	253.281	253.286	253.315	253.414	253.537	253.571	253.467	253.333	253.303	253.188	253.234	253.248	23
24	253.280	253.285	253.335	253.410	253.575	253.373	253.803	253.280	253.345	253.232	253.232	253.247	24
25	253.283	253.2a6	253.342	253.417	253.581	253.547	253.428	253.846	253.621	253.180	253.241	253.248	25
26	253.286	253.303	253.331	253.440	253.538	253.542	253.511	253.443	253.178	253.280	253.230	253.243	26
27	253.285	253.280	253.337	253.432	253.519	253.586	253.490	253.370	253.286	253.213	253.235	253.242	27
28	253.276	253.280	253.352	253.441	253.504	253.609	253.423	253.280	253.279	253.472	253.246	253.250	28
29	253.273		253.450	253.434	253.550	253.507	253.480	253.335	253.319	253.333	253.238	253.241	29
30	253.275		253.444	253.465	253.569	253.474	253.391	253.322	253.337	253.084	253.229	253.253	30
31	253.273		253.410		253.649		253.581	253.585		253.554		253.280	31
MEAN	253.270	253.284	253.323	253.396	253.621	253.544	253.494	253.456	253.352	253.284	253.289	253.249	MEAN
MAX	253.283	253.303	253.450	253.465	253.518	253.724	253.603	253.846	253.631	253.554	254.049	253.265	MAX
MIN	253.260	253.265	253.287	253.352	253.649	253.367	253.360	253.280	253.178	253.084	253.074	253.225	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 253.372
MAXIMUM DAILY, 254.049 ON NOV 8
MINIMUM DAILY, 253.084 ON OCT 9
MAXIMUM INSTANTANEOUS,
254.376 AT 14:14 CST ON NOV 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 38 45 N
LONG 99 55 07 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

LIMESTONE RIVER NEAR BIRD - STATION NO. 05UG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.358	1.638	1.408	1.728	1.721	59.7	37.2	35.6	40.5	19.6	6.988	3.468
2	3.288	1.608	1.408	1.728	1.758	55.3	34.0	35.4	35.3	18.2	6.678	3.418
3	3.218	1.778	1.428	1.728	1.778	51.1	30.4	34.5	33.1	16.8	6.488	3.388
4	3.148	1.758	1.428	1.728	1.808	47.2	28.9	32.7	32.1	16.2	6.258	3.368
5	3.088	1.728	1.428	1.728	1.958	44.4	31.7	30.1	32.2	17.9	6.098	3.318
6	3.028	1.708	1.448	1.728	2.118	41.7	47.3	27.9	33.3	17.1	5.858	3.318
7	2.998	1.678	1.448	1.728	2.338	38.7	84.8	27.7	34.6	17.3	5.698	3.268
8	2.968	1.658	1.478	1.728	2.648	36.0	105	42.2	33.6	16.8	5.528	3.248
9	2.938	1.628	1.478	1.728	2.958	34.1	114	53.3	33.0	16.9	5.368	3.248
10	2.898	1.608	1.498	1.728	3.628	32.3	118	52.4	32.6	16.1	5.218	3.248
11	2.838	1.578	1.498	1.728	27.8 B	30.9	105	47.5	30.9	14.3	5.088	3.248
12	2.778	1.548	1.498	1.728	88.6 B	31.5	92.3	40.4	28.2	15.2	4.818	3.248
13	2.718	1.528	1.528	1.728	172 B	42.0	78.6	35.6	28.1	14.0	4.768	3.218
14	2.648	1.498	1.528	1.728	257 B	55.1	83.9	35.6	26.6	13.7	4.688	3.218
15	2.588	1.478	1.548	1.728	273 B	60.7	52.2	39.7	25.3	15.5	4.618	3.218
16	2.528	1.428	1.548	1.728	288 E	59.6	50.8	48.6	24.6	14.8	4.488	3.188
17	2.468	1.408	1.548	1.728	257 A	55.1	48.7	54.3	24.2	15.0	4.388	3.188
18	2.408	1.378	1.578	1.728	243	50.6	48.1	52.6	23.5	14.7	4.308	3.148
19	2.338	1.358	1.578	1.728	227	46.2	50.3	49.9	22.6	14.2	4.238	3.148
20	2.308	1.388	1.608	1.728	208	40.6	52.8	57.7	22.2	14.3	4.188	3.148
21	2.278	1.358	1.608	1.728	187	35.5	51.4	77.6	21.6	14.0	4.088	3.118
22	2.248	1.358	1.628	1.728	168	32.2	50.6	92.2	21.2	13.9	4.028	3.118
23	2.188	1.358	1.628	1.728	151	30.2	48.4	96.8	21.8	14.0	3.858	3.088
24	2.138	1.358	1.658	1.728	134	29.5	45.8	96.8	21.6	13.8	3.928	3.088
25	2.068	1.388	1.658	1.728	118	29.5	44.2	91.0	21.2	13.6	3.898	3.058
26	2.008	1.358	1.678	1.728	107	30.4	45.1	84.2	20.3	13.6	3.628	3.058
27	1.988	1.378	1.678	1.728	95.9	33.4	46.6	74.7	20.0	13.6	3.758	3.028
28	1.958	1.378	1.678	1.728	87.5	37.8	44.6	65.3	19.8	14.1	3.628	3.028
29	1.908		1.708	1.728	75.7	40.4	41.5	56.5	20.0	7.828	3.558	2.998
30	1.888		1.708	1.728	66.6	40.2	38.0	48.5	19.9	7.638	3.488	2.998
31	1.868		1.708		63.2		37.3	44.5		7.348		2.998
TOTAL	78.83	42.43	48.00	51.80	3 312.95	1 250.9	1 767.6	1 883.9	803.8	455.19	143.73	98.67
MEAN	2.54	1.52	1.55	1.72	107	41.7	57.0	53.7	26.8	14.7	4.78	3.18
MAX	3.35	1.83	1.70	1.72	273	60.7	118	96.8	40.5	19.6	6.98	3.45
MIN	1.85	1.35	1.40	1.72	1.72	28.5	28.9	27.7	19.9	7.34	3.48	2.99

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.6
MAXIMUM DAILY, 273E ON MAY 15
MINIMUM DAILY, 1.35B ON FEB 19

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 31 10 N
LONG 94 12 20 W
DRAINAGE AREA, 3 290 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 810	JUL	153 000
FEB	3 670	AUG	144 000
MAR	4 150	SEP	69 400
APR	4 480	OCT	39 300
MAY	286 000	NOV	12 400
JUN	108 000	DEC	8 530

TOTAL DISCHARGE, 840 000 dam

LITTLE BEAVER RIVER NEAR THE MOUTH - STATION NO. 06FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.6168	0.4688	0.3128	0.1348	0.0868	203	97.0	58.6	41.3	18.1	8.928	4.138
2	0.6138	0.4618	0.3088	0.1308	0.0868	187	81.8	55.9	37.9	17.9	8.898	3.968
3	0.6088	0.4578	0.3018	0.1238	0.0868	172	65.6	51.8	35.2	17.3	8.468	3.898
4	0.6058	0.4488	0.2948	0.1198	0.1048	158	83.0	57.9	33.6	17.0	8.238	3.828
5	0.6028	0.4468	0.2908	0.1158	0.1238	145	85.9	54.0	33.7	17.0	7.988	3.688
6	0.5988	0.4428	0.2828	0.1128	0.1418	134	151	50.1	33.5	16.9	7.768	3.618
7	0.5948	0.4388	0.2758	0.1088	0.1788	123	286	46.6	33.5	16.8	7.538	3.548
8	0.5908	0.4318	0.2718	0.1048	0.2168	116	272	44.2	33.4	15.9	7.348	3.478
9	0.5878	0.4278	0.2688	0.1018	0.2908	108	259	41.3	32.2	15.6 B	7.158	3.408
10	0.5838	0.4208	0.2608	0.0978	0.3648	103	245	38.1	31.0	15.5 B	7.088	3.338
11	0.5788	0.4168	0.2538	0.0938	0.4388	98.8	229	35.2	30.0	15.2 B	6.968	3.278
12	0.5728	0.4098	0.2458	0.0898	0.5878	160	212	33.1	28.9	14.7 B	6.778	3.138
13	0.5648	0.4018	0.2388	0.0868	5.83 B	224	193	31.6	27.9	14.3 B	6.588	3.068
14	0.5618	0.3978	0.2348	0.0868	22.8 B	220	173	30.4	26.8	14.0 B	6.398	2.998
15	0.5538	0.3908	0.2308	0.0868	50.2 B	205	153	29.6	25.8	13.6 B	6.208	2.928
16	0.5508	0.3868	0.2238	0.0868	104 B	189	136	29.2	24.8	13.3 B	6.018	2.888
17	0.5428	0.3788	0.2158	0.0868	155 B	173	121	28.9	23.8	13.0 B	5.928	2.858
18	0.5388	0.3758	0.2088	0.0868	207 A	159	109	28.4	23.2	12.6 B	5.738	2.788
19	0.5358	0.3688	0.2048	0.0868	353 E	145	101	28.2	22.6	12.3 B	5.558	2.718
20	0.5278	0.3648	0.1978	0.0868	410 E	133	92.4	33.5	22.0	12.0 B	5.488	2.648
21	0.5248	0.3578	0.1938	0.0868	389 E	120	85.4	41.0	21.3	11.6 B	5.308	2.608
22	0.5208	0.3538	0.1888	0.0868	382 E	111	78.3	52.7	20.7	11.4 B	5.138	2.578
23	0.5138	0.3468	0.1788	0.0868	382 E	104	77.3	63.1	20.3	11.1 B	4.988	2.538
24	0.5088	0.3428	0.1758	0.0868	340 E	96.6	79.3	65.9	20.0	10.8 B	4.858	2.508
25	0.5058	0.3348	0.1718	0.0868	324 E	90.9	79.3	65.0	19.4	10.5 B	4.808	2.448
26	0.4988	0.3318	0.1648	0.0868	292 A	89.6	80.4	63.4	18.8	10.4 B	4.638	2.378
27	0.4948	0.3278	0.1608	0.0868	281	100	83.3	60.0	18.3	10.1 B	4.648	2.338
28	0.4878	0.3208	0.1568	0.0868	276	108	83.5	56.0	18.1	9.858	4.488	2.308
29	0.4838		0.1498	0.0868	255	105	81.3	51.8	18.0	9.628	4.298	2.288
30	0.4798		0.1458	0.0868	237	103	78.8	48.1	18.1	9.398	4.218	2.248
31	0.4768		0.1418		221		74.1	44.4		9.158		2.178
TOTAL	17.003	11.034	5.927	2.873	4 886.329	4 184.1	4 041.7	1 448.4	794.3	417.41	187.90	92.37
MEAN	0.548	0.394	0.223	0.085	151	139	130	46.8	26.5	13.5	6.26	2.98
MAX	0.618	0.468	0.312	0.134	410	224	272	65.8	41.3	18.1	8.92	4.13
MIN	0.476	0.320	0.141	0.085	0.085	89.8	74.1	28.2	18.0	9.15	4.21	2.17

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 43.5
MAXIMUM DAILY, 410E ON MAY 20
MINIMUM DAILY, 0.0868 ON APR 13

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 10 N
LONG 95 32 50 W
DRAINAGE AREA, 4 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 470	JUL	348 000
FEB	953	AUG	125 000
MAR	598	SEP	68 800
APR	248	OCT	36 100
MAY	405 000	NOV	16 200
JUN	362 000	DEC	7 980

TOTAL DISCHARGE, 1 370 000 da

LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE - STATION NO. 05FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.63B	5.96B	5.81B	5.45B	5.54B	137	105	123	115	73.2E	53.3E	20.2B	1
2	6.60B	5.96B	5.78B	5.45B	5.54B	131	102	120	110	72.0E	51.3E	20.0B	2
3	6.56B	5.96B	5.78B	5.44B	5.58B	127	101	118	105	71.7E	50.0E	19.8B	3
4	6.52B	5.96B	5.78B	5.44B	5.58B	122	101	116	102	71.8E	49.6E	19.5B	4
5	6.48B	5.96B	5.78B	5.42B	5.58B	119	109	111	103	71.2E	45.3B	19.3B	5
6	6.45B	5.94B	5.78B	5.42B	5.58B	116	134	108	104	71.2E	42.3B	19.1B	6
7	6.41B	5.94B	5.78B	5.40B	5.58B	112	179	108	105	70.4E	39.3B	18.8B	7
8	6.37B	5.94B	5.74B	5.40B	5.78B	108	221	108	105	68.8E	37.5B	18.6B	8
9	6.34B	5.94B	5.74B	5.38B	6.06B	107	241	103	105	68.5E	35.2B	18.4B	9
10	6.30B	5.92B	5.72B	5.38B	6.62B	105	245	100	105	68.5E	33.3B	18.1B	10
11	6.26B	5.92B	5.72B	5.38B	8.62B	102	236	96.8	104	67.7E	32.0B	17.9B	11
12	6.22B	5.92B	5.70B	5.38B	36.5 B	103	223	96.4	102	67.6E	30.7B	17.8B	12
13	6.19B	5.92B	5.70B	5.36B	81.4 B	110	209	96.6	100	67.1E	29.5B	17.7B	13
14	6.17B	5.91B	5.68B	5.36B	174 B	124	194	95.0	97.2	67.0E	28.4B	17.6B	14
15	6.15B	5.91B	5.68B	5.36B	260 B	132	181	94.7	94.4	66.6E	27.6B	17.4B	15
16	6.13B	5.91C	5.66B	5.38B	281 B	138	170	93.8	92.0	66.1E	26.8B	17.3B	16
17	6.11B	5.89B	5.64B	5.38B	289 B	139	160	93.1	90.3	65.5E	26.2B	17.2B	17
18	6.08B	5.89B	5.62B	5.40B	281 A	136	152	93.3	88.2	64.8E	25.4B	17.1B	18
19	6.07B	5.89B	5.60B	5.40B	256 A	131	146	97.6	87.1	64.3E	24.9B	17.0B	19
20	6.06B	5.87B	5.58B	5.42B	234	126	146	122	88.1	63.3E	24.2B	16.9B	20
21	6.04B	5.87B	5.56B	5.42B	217	122	145	155	85.1	62.8E	23.7B	16.8B	21
22	6.02B	5.87B	5.56B	5.44B	206	118	143	175	84.0	62.5E	23.2B	16.7B	22
23	6.00B	5.85B	5.56B	5.44B	196	114	141	182	83.0	61.8E	23.0B	16.6B	23
24	6.00B	5.85B	5.54B	5.45B	188	109	140	181	82.0A	61.2E	22.5B	16.5B	24
25	6.00B	5.83B	5.54B	5.45B	178	107	138	172	80.7E	60.5E	22.1B	16.5B	25
26	6.00B	5.83B	5.52B	5.48B	172	107	138	162	80.1E	60.0E	21.6B	16.5B	26
27	5.98B	5.81B	5.52B	5.48B	166	107	137	153	79.0E	59.4E	21.4B	16.4B	27
28	5.98B	5.81B	5.50B	5.50B	161	107	135	145	78.0E	57.7E	21.2B	16.4B	28
29	5.98B		5.50B	5.50B	154	107	133	138	76.7E	56.4E	20.7B	16.3B	29
30	5.98B		5.48B	5.52B	148	108	129	130	74.6E	55.8E	20.5B	16.3B	30
31	5.98B		5.48B		142		126	122		54.8E		16.2B	31
TOTAL	192.07	165.23	175.03	162.68	3 906.92	3 529	4 882	3 806.2	2 803.5	2 020.6	932.7	545.9	TOTAL
MEAN	6.20	5.90	5.65	5.42	126	118	157	123	93.5	65.2	31.1	17.6	MEAN
MAX	6.63	5.96	5.81	5.52	281	139	245	182	115	73.2	53.3	20.2	MAX
MIN	5.98	5.81	5.48	5.36	5.54	102	101	93.1	74.6	54.8	20.5	16.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.3
MAXIMUM DAILY, 2918 ON MAY 16
MINIMUM DAILY, 5.36B ON APR 13

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 00 N
LONG 95 48 00 W
DRAINAGE AREA, 5 810 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16 600	JUL	420 000
FEB	14 300	AUG	329 000
MAR	15 100	SEP	242 000
APR	14 100	OCT	175 000
MAY	338 000	NOV	80 500
JUN	305 000	DEC	47 300

TOTAL DISCHARGE, 2 000 000 dam³

REMARKS - GAUGE MOVED SEP 24 1985 5.0 km DOWNSTREAM

LITTLE SASKATCHEWAN RIVER ABOVE RAPID CITY DAM - STATION NO. 05MF801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	478.25B	478.833E	---	---	---	---	---	1
2	478.613	---	---	---	---	478.523E	478.853	---	---	---	---	---	2
3	---	---	---	---	---	478.78B	478.743	---	---	---	---	478.62B	3
4	---	---	---	---	---	478.773E	478.783	---	---	---	---	---	4
5	---	478.59B	---	---	---	478.758E	478.778E	---	---	---	---	---	5
6	---	---	---	---	---	478.743	478.773E	---	---	---	---	---	6
7	---	---	---	---	---	478.798E	478.788E	478.743	---	---	---	---	7
8	---	---	---	---	---	478.853	478.763	478.742E	---	---	---	---	8
9	---	---	---	---	---	478.88OE	---	478.740E	---	---	---	---	9
10	---	---	---	---	---	478.908	---	478.738	---	---	---	---	10
11	---	---	---	---	---	478.898E	---	---	---	---	---	---	11
12	---	---	---	---	---	478.883	---	---	---	---	---	---	12
13	---	---	---	---	---	478.863E	---	---	---	---	---	---	13
14	---	---	---	---	---	478.843	---	---	---	---	---	---	14
15	478.59B	---	---	---	478.94B	478.843E	---	---	---	---	---	---	15
16	---	---	---	---	---	478.843	---	---	---	---	---	---	16
17	---	---	---	---	---	478.848E	---	---	---	---	---	---	17
18	---	---	---	---	---	478.853	---	---	---	---	---	478.62Z	18
19	---	---	---	---	---	478.838E	---	---	---	---	---	---	19
20	---	478.59B	---	---	---	478.823E	---	---	---	---	478.80Z	---	20
21	---	---	---	---	---	478.808E	---	---	---	---	---	---	21
22	---	---	---	---	---	478.793	---	---	---	---	---	---	22
23	---	---	---	---	---	478.786E	---	---	---	---	---	---	23
24	---	---	---	---	---	478.788E	478.778	---	---	---	---	---	24
25	---	---	---	---	---	478.803	478.776E	---	---	---	---	---	25
26	---	---	478.68B	---	---	478.783E	478.773	---	---	---	---	---	26
27	---	---	---	---	---	478.763E	478.765E	478.704	---	---	---	---	27
28	---	---	---	---	---	478.773	478.758	---	---	478.18A	---	---	28
29	---		---	---	478.33I	478.783E	478.758E	---	---	---	---	---	29
30	---		---	---	478.307E	478.813E	478.753	---	---	---	---	---	30
31	---		---		478.283E		---	---		---		---	31
MEAN	---	---	---	---	---	478.782	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	478.908	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	478.258	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 07 18 N
LONG 100 02 24 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 250 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA - STATION NO. 05MF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.700B	0.653B	0.550B	15.3B	17.9	12.2	2.79	3.12	1.15	4.02	1.92	1.30B
2	0.674B	0.675B	0.661B	16.0B	17.3	11.2	2.64	3.07	1.04	3.96	2.12	1.34B
3	0.662B	0.710B	0.584B	18.0	16.6	10.3	2.57	2.95	0.944	3.82	1.79	1.46B
4	0.674B	0.706B	0.587B	21.2	16.1	9.55	2.53	3.09	0.881	3.62	1.76	1.49B
5	0.690B	0.685B	0.585B	24.7	17.2	8.88	3.06	3.03	0.884	3.48	1.85	1.40B
6	0.649B	0.697B	0.613B	27.0	18.9	8.28	2.87	3.00	0.825	7.62	1.76	1.34B
7	0.583B	0.713B	0.667B	25.8	21.9	7.81	2.80	3.02	0.734	3.51	1.63B	1.29B
8	0.554B	0.698B	0.748B	23.1	26.4	7.56	2.79	3.09	0.617	3.33	1.64B	1.29B
9	0.585B	0.720B	0.737B	20.7	45.4	7.17	2.72	3.10	0.495	3.19	1.69B	1.36B
10	0.642B	0.730B	0.715B	19.4	46.4	6.91	2.83	3.19	0.437	3.18	1.52B	1.47B
11	0.724B	0.717B	0.675B	18.5	45.6	6.57	2.81	3.26	0.385	3.14	1.29B	1.45B
12	0.720B	0.706B	0.623B	17.7	50.5	6.52	2.82	3.17	0.333	3.08	1.20B	1.43B
13	0.716B	0.697B	0.599B	16.7	52.0	6.17	2.81	3.01	0.321	3.02	1.15B	1.41B
14	0.703B	0.690B	0.615B	15.4	48.0	5.83	3.10	2.84	0.389	2.94	1.34B	1.39B
15	0.686B	0.667B	0.611B	13.7	45.0	5.56	3.18	2.74	0.464	2.85	1.39B	1.39B
16	0.679B	0.650B	0.602B	13.7	41.1	5.28	3.21	2.61	0.346	2.71	1.36B	1.37B
17	0.684B	0.603B	0.608B	14.2	37.4	5.31	3.49	2.48	0.405	2.62	1.48B	1.36B
18	0.670B	0.591B	0.606B	15.8	34.1	5.69	3.54	2.42	0.418	2.57	1.49B	1.39B
19	0.687B	0.606B	0.590B	17.9	31.0	5.17	3.40	2.34	0.451	2.54	1.53B	1.35B
20	0.685B	0.591B	0.631B	18.3	28.1	4.82	3.31	2.28	0.530	2.46	1.60B	1.33B
21	0.673B	0.574B	0.665B	19.1	27.7	4.65	3.18	2.23	0.706	2.39	1.80B	1.30B
22	0.670B	0.644B	1.14 B	20.0	26.3	4.38	3.13	2.14	0.876	2.25	1.83B	1.30B
23	0.668B	0.560B	2.97 B	21.4	24.7	4.12	3.03	2.16	0.803	2.07	1.63B	1.30B
24	0.673B	0.545B	1.93 B	22.3	23.2	3.80	2.88	2.21	0.862	1.94	1.64B	1.28B
25	0.670B	0.542B	1.45 B	21.5	21.6	3.49	2.76	2.18	1.52	1.89	1.61B	1.28B
26	0.674B	0.540B	1.48 B	20.4	20.1	3.44	2.85	2.12	1.83	1.89	1.59B	1.24B
27	0.706B	0.531B	1.29 B	19.6	18.8	3.10	2.74	1.89	1.84	1.83	1.56B	1.22B
28	0.740B	0.543B	4.31 B	18.3	17.5	2.92	2.92	1.70	2.84	1.79	1.50B	1.23B
29	0.714B		6.69 B	18.9	16.2	2.89	3.01	1.54	3.44	1.71	1.41B	1.21B
30	0.689B		6.93 B	18.5	14.8	2.90	3.19	1.40	3.80	1.67	1.34B	1.26B
31	0.680B		10.3 B		13.5		3.14	1.22		1.67		1.21B
TOTAL	20.834	17.884	51.852	574.1	866.3	183.67	92.20	78.60	30.736	84.76	47.01	41.42
MEAN	0.675	0.639	1.67	19.1	28.6	6.12	2.97	2.54	1.02	2.73	1.57	1.34
MAX	0.740	0.730	10.3	27.0	52.0	12.2	3.54	3.26	3.80	4.02	2.12	1.49
MIN	0.554	0.531	0.550	13.7	13.5	2.89	2.53	1.22	0.321	1.67	1.15	1.21

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.78
MAXIMUM DAILY, 52.0 ON MAY 13
MINIMUM DAILY, 0.321 ON SEP 13
MAXIMUM INSTANTANEOUS,
53.5 AT 17:33 CST ON MAY 12

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 28 N
LONG 99 54 00 W
DRAINAGE AREA, 2 830 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 810	JUL	7 970
FEB	1 550	AUG	6 780
MAR	4 450	SEP	2 660
APR	49 600	OCT	7 320
MAY	76 600	NOV	4 060
JUN	15 900	DEC	3 580

TOTAL DISCHARGE, 182 000 dam

LITTLE SASKATCHEWAN RIVER NEAR RIVERS - STATION NO. 05MF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.878B	0.815B	0.880B	19.2	20.1	15.6	3.21	3.04	1.01	0.422	3.35	0.843B
2	0.875B	0.821B	0.861B	28.3	19.7	14.2	3.08	3.02	0.862	0.425	3.33	0.834B
3	0.875B	0.827B	0.880B	28.7	18.8	14.2	2.93	3.08	2.07	0.432	3.34	0.839B
4	0.878B	0.831B	0.878B	28.6	19.1	13.3	2.85	3.24	3.02	0.429	2.47	0.837B
5	0.881B	0.834B	0.870B	28.1	20.6	12.4	5.82	3.46	2.87	0.437	1.86	0.835B
6	0.881B	0.837B	0.873B	27.4	22.4	11.9	6.10	3.63	2.85	2.10	1.87	0.831B
7	0.880B	0.839B	0.881B	27.9	24.1	11.6	5.71	3.43	2.84	3.92	1.88	0.827B
8	0.872B	0.840B	0.865B	28.6	25.7	10.6	5.10	3.20	2.92	3.37	1.88	0.825B
9	0.863B	0.841B	0.862B	28.9	26.3	9.79	4.88	3.18	2.93	3.31	1.89 B	0.828B
10	0.858B	0.842B	0.856B	27.4	27.1	9.85	4.55	2.86	2.94	3.32	1.89 B	0.830B
11	0.852B	0.832B	0.851B	25.2	32.2	8.92	4.15	2.77	1.87	3.23	1.88 B	0.835B
12	0.843B	0.831B	0.849B	23.0	40.2	8.53	4.06	2.75	0.386	3.22	1.90 B	0.840B
13	0.840B	0.831B	0.848B	21.3	44.1	7.74	3.75	2.80	0.394	3.23	1.90 B	0.843B
14	0.832B	0.831B	0.851B	20.2	46.2	7.36	3.68	2.84	0.401	3.21	1.91 B	0.845B
15	0.831B	0.831B	0.854B	18.6	50.8	7.44	3.72	2.78	0.408	3.19	1.92 B	0.847B
16	0.836B	0.832B	0.859B	17.4	51.3	7.18	3.83	2.62	0.418	3.20	1.93 B	0.849B
17	0.837B	0.833B	0.865B	16.4	47.4	6.78	4.20	2.41	0.412	3.21	1.93 B	0.851B
18	0.836B	0.836B	0.873B	17.6	43.3	6.70	4.15	2.27	0.412	3.24	1.88 B	0.854B
19	0.832B	0.850B	0.867B	20.2	39.8	6.87	4.25	2.19	0.414	3.26	1.86 B	0.856B
20	0.829B	0.859B	0.873B	21.4	37.2	7.00	4.15	1.99	0.416	3.27	1.85 B	0.858B
21	0.830B	0.861B	0.881B	21.9	34.6	6.01	4.02	1.67	0.417	3.28	1.84 B	0.860B
22	0.831B	0.862B	0.956	21.8	31.8	4.80	3.85	1.48	0.411	3.28	1.84 B	0.861B
23	0.827B	0.865B	0.915	22.0	29.3	4.58	3.68	1.37	0.404	3.28	1.84 B	0.864B
24	0.823B	0.867B	0.887	21.8	27.3	4.37	3.59	1.37	0.408	3.28	1.83 B	0.869B
25	0.818B	0.869B	0.891	22.3	25.6	4.36	3.28	1.35	0.433	3.30	1.81 B	0.871B
26	0.812B	0.872B	0.897	22.3	23.9	5.80	3.42	1.37	0.429	3.30	1.31 B	0.873B
27	0.806B	0.875B	0.907	21.8	22.2	5.08	3.45	1.35	0.423	3.31	0.873B	0.875B
28	0.803B	0.878B	0.924	21.2	20.7	4.45	3.84	1.26	0.430	3.31	0.863B	0.877B
29	0.806B		0.910	20.5	19.4	3.89	3.63	1.25	0.428	3.32	0.844B	0.879B
30	0.810B		0.901	20.5	18.5	3.43	3.09	1.15	0.428	3.34	0.843B	0.881B
31	0.812B		4.26		17.6		2.94	1.18		3.36		0.881B
TOTAL	26.080	23.842	30.627	690.7	929.4	244.83	123.07	72.27	34.144	86.285	56.623	26.398
MEAN	0.842	0.844	0.988	23.0	30.0	8.16	3.97	2.33	1.14	2.78	1.89	0.852
MAX	0.881	0.878	4.26	28.9	51.3	15.6	6.10	3.63	3.02	3.42	3.35	0.881
MIN	0.803	0.815	0.848	16.4	17.6	3.43	2.85	1.15	0.385	0.422	0.843	0.825

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.42
MAXIMUM DAILY, 51.3 ON MAY 16
MINIMUM DAILY, 0.385 ON SEP 12
MAXIMUM INSTANTANEOUS,
51.9 AT 11:56 CST ON MAY 16

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 25 N
LONG 100 12 56 W
DRAINAGE AREA, 3 910 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 250	JUL	10 800
FEB	2 040	AUG	6 240
MAR	2 650	SEP	2 950
APR	59 700	OCT	7 460
MAY	80 300	NOV	4 890
JUN	21 100	DEC	2 280

TOTAL DISCHARGE, 202 000 dam

LITTLE SOURIS RIVER NEAR BRANDON - STATION NO. 05MH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.35	0.198	0	0.002	0.038	0	0	---	---	1
2	---	---	0 B	0.815	0.165	0	0.002	0.037	0	0	---	---	2
3	---	---	0 B	1.04	0.140	0	0.001	0.036	0	0	---	---	3
4	---	---	0 B	1.11	0.142	0	0	0.036	0	0	---	---	4
5	---	---	0 B	0.822	0.609	0	0	0.035	0	0	---	---	5
6	---	---	0 B	0.604	5.90	0	0	0.033	0	0	---	---	6
7	---	---	0 B	0.464	4.66	0	0	0.080	0	0	---	---	7
8	---	---	0 B	0.378	2.40	0	0	0.040	0	0	---	---	8
9	---	---	0 B	0.300	1.83	0	0	0.037	0	0	---	---	9
10	---	---	0 B	0.231	1.67	0	0.005	0.029	0	0	---	---	10
11	---	---	0 B	0.194	1.41	0	0.008	0.028	0	0	---	---	11
12	---	---	0 B	0.217	1.12	0	0.012	0.029	0	0	---	---	12
13	---	---	0 B	0.148	0.910	0	0.013	0.016	0	0	---	---	13
14	---	---	0 B	0.142	0.692	0	0.014	0.011	0	0	---	---	14
15	---	---	0 B	0.139	0.514	0	0.013	0.013	0	0	---	---	15
16	---	---	0 B	0.126	0.398	0	0.012	0.012	0	0	---	---	16
17	---	---	0 B	0.132	0.298	0	0.028	0.011	0	0	---	---	17
18	---	---	0.0078	0.570	0.224	0	0.039	0.010	0	0	---	---	18
19	---	---	0.0398	3.86	0.170	0	0.026	0.008	0	0	---	---	19
20	---	---	0.0188	2.81	0.143	0	0.039	0.005	0	0	---	---	20
21	---	---	0.2568	1.39	0.118	0.002	0.037	0.003	0	0	---	---	21
22	---	---	5.06 B	0.956	0.085	0.001	0.031	0.003	0	0	---	---	22
23	---	---	16.1 B	0.753	0.086	0.001	0.038	0.002	0	0	---	---	23
24	---	---	11.2 B	0.593	0.055	0.002	0.032	0.001	0	0	---	---	24
25	---	---	5.26 B	0.504	0.042	0.002	0.030	0	0	0	---	---	25
26	---	---	3.74 B	0.413	0.038	0.004	0.023	0	0	0	---	---	26
27	---	---	5.33	0.345	0.039	0.004	0.026	0	0	0	---	---	27
28	---	---	6.83	0.289	0.019	0.002	0.036	0	0	0	---	---	28
29	---		5.00	0.250	0.006	0.001	0.035	0	0	0	---	---	29
30	---		3.15	0.205	0.009	0.001	0.037	0	0	0	---	---	30
31	---		1.99		0.002		0.039	0		0		---	31
TOTAL	---	---	84.080	21.150	24.073	0.020	0.578	0.534	0	0	---	---	TOTAL
MEAN	---	---	2.07	0.705	0.777	0.001	0.019	0.017	0	0	---	---	MEAN
MAX	---	---	16.2	3.86	5.90	0.004	0.039	0.080	0	0	---	---	MAX
MIN	---	---	0	0.126	0.002	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.451
MAXIMUM DAILY, 16.2B ON MAR 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
20.8B AT 20:42 CST ON MAR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 56 N
LONG 99 50 52 W
DRAINAGE AREA, 454 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	49.9
FEB	---	AUG	46.1
MAR	5 540	SEP	0
APR	1 830	OCT	0
MAY	2 080	NOV	---
JUN	1.73	DEC	---

TOTAL DISCHARGE, 9 550 dam³

LITTLE WOODY RIVER NEAR BARROWS - STATION NO. 05LC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0748	0.2318	1.16	0.518	0.320E	0.378	0.113	0.689	---	---	1
2	---	---	0.0698	0.2128	1.09	0.489	0.301E	0.449	0.111	0.600	---	---	2
3	---	---	0.0688	0.1748	1.66	0.429	0.268E	0.385	0.139	0.514	---	---	3
4	---	---	0.0668	0.1408	2.56	0.378	0.231E	0.471	0.143	0.476	---	---	4
5	---	---	0.0688	0.1318	2.32	0.516	0.860E	0.427	0.185	0.442	---	---	5
6	---	---	0.0688	0.1678	1.94	1.03	1.85 E	0.961	0.170	0.408	---	---	6
7	---	---	0.0688	0.2938	1.85	0.881	1.58 E	1.58	0.157	0.564	---	---	7
8	---	---	0.0688	0.7568	1.90	0.650	1.28 E	1.08	0.143	0.629	---	---	8
9	---	---	0.0658	1.42 B	1.90	0.614	1.03 E	1.13	0.135	0.537	---	---	9
10	---	---	0.0658	1.68 B	2.05	0.710	0.789E	1.08	0.132	0.550	---	---	10
11	---	---	0.0668	1.22 B	2.22	0.649	0.922E	0.777	0.116	0.548	---	---	11
12	---	---	0.0668	0.8108	2.58	0.971	0.784E	0.560	0.145	0.476	---	---	12
13	---	---	0.0668	0.7838	2.89	0.929	0.680E	0.429	0.146	0.444	---	---	13
14	---	---	0.0728	0.7728	2.49	0.880A	0.562E	0.331	0.135	0.415	---	---	14
15	---	---	0.0738	0.7838	3.12	0.881E	0.465E	0.300	0.131	0.401	---	---	15
16	---	---	0.0708	0.7998	2.66	0.768E	0.373A	0.253	0.119	0.383	---	---	16
17	---	---	0.0688	0.8108	2.32	0.702E	0.315	0.222	0.119	0.373	---	---	17
18	---	---	0.0688	0.9778	2.07	0.610E	0.289	0.191	0.131	0.354	---	---	18
19	---	---	0.0698	1.09 B	1.87	0.527E	0.251	0.173	0.125	0.329	---	---	19
20	---	---	0.0708	1.43 B	1.81	0.594E	0.246	0.160	0.119	0.313	---	---	20
21	---	---	0.0718	1.77 B	1.85	0.659E	0.229	0.151	0.116	0.302	---	---	21
22	---	---	0.0718	2.18 E	1.47	0.572E	0.208	0.144	0.125	0.283	---	---	22
23	---	---	0.0718	2.60 E	1.27	0.486E	0.190	0.137	0.146	0.272	---	---	23
24	---	---	0.0718	2.78	1.13	0.538E	0.184	0.138	0.138	0.267	---	---	24
25	---	---	0.0718	2.73	1.02	0.589E	0.180	0.134	0.185	0.256	---	---	25
26	---	---	0.0718	2.51	0.927	0.637E	0.176	0.129	1.48	0.256	---	---	26
27	---	---	0.0738	2.12	0.821	0.562E	0.168	0.125	2.36	0.246	---	---	27
28	---	---	0.0828	1.57	0.712	0.500E	0.160	0.122	1.51	0.239	---	---	28
29	---		0.0958	1.39	0.620	0.438E	0.155	0.118	1.10	0.223	---	---	29
30	---		0.1488	1.43	0.558	0.382E	0.189	0.117	0.847	0.2208	---	---	30
31	---		0.2048		0.529		0.193	0.115		0.2178		---	31
TOTAL	---	---	2.388	35.756	53.267	19.238	15.436	12.886	10.721	12.226	---	---	TOTAL
MEAN	---	---	0.077	1.19	1.72	0.641	0.498	0.415	0.357	0.394	---	---	MEAN
MAX	---	---	0.204	2.78	3.12	1.03	1.85	1.58	2.36	0.689	---	---	MAX
MIN	---	---	0.066	0.131	0.529	0.378	0.155	0.115	0.111	0.217	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.661
MAXIMUM DAILY, 3.12 ON MAY 15
MINIMUM DAILY, 0.066B ON MAR 3
MAXIMUM INSTANTANEOUS,
3.40 AT 17:44 CST ON APR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 00 N
LONG 101 34 00 W
DRAINAGE AREA, 69.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 330
FEB	---	AUG	1 110
MAR	206	SEP	926
APR	3 090	OCT	1 060
MAY	4 600	NOV	---
JUN	1 660	DEC	---

TOTAL DISCHARGE, 14 000 dam³

LONG LAKE NEAR LITTLE GRAND RAPIDS - STATION NO. 05RD010

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.159	28.988	28.817	28.738	29.372	29.856	29.704E	29.236	---	---	---	---	1
2	29.154	28.959	28.811A	28.745	29.385	29.874	29.690E	29.225	---	---	---	---	2
3	29.155	28.953	28.805E	28.748	29.393	29.888	29.668A	29.210	---	---	---	---	3
4	29.150	28.945	28.798E	28.752	29.402	30.002	29.645	29.193	---	---	---	---	4
5	29.139	28.942	28.793E	28.762	29.412	30.008	29.633	29.179	---	---	---	---	5
6	29.128	28.936	28.787E	28.771	29.460	30.012	29.623	29.170	---	---	---	---	6
7	29.121	28.929	28.782E	28.802	29.506	30.016	29.613	29.164	---	---	---	---	7
8	29.121	28.923	28.776E	28.838	29.571	30.024	29.589	29.161	---	---	---	---	8
9	29.116	28.912	28.770E	28.860	29.580	30.023	29.588	29.178	---	---	---	---	9
10	29.111	28.905	28.764E	28.888	29.578	30.025	29.543	29.170	---	---	---	---	10
11	29.104	28.898	28.757A	28.923	29.592	30.024	29.518	29.159	---	---	---	---	11
12	29.095	28.891	28.756A	28.953	29.602	30.023	29.498	29.150	---	---	---	---	12
13	29.088	28.884	28.753	28.970	29.607	30.021	29.480	29.138	---	---	---	---	13
14	29.078	28.880	28.747	28.988	29.616	30.014	29.474	29.132	---	---	---	---	14
15	29.077	28.870	28.742	29.007	29.623	30.000	29.478	29.125	---	---	---	---	15
16	29.070	28.861	28.736	29.027	29.620	29.983	29.454	29.112E	---	---	---	---	16
17	29.062	28.859	28.731	29.052	29.632	29.970	29.436	29.098E	---	---	---	---	17
18	29.057	28.853	28.727	29.078	29.648	29.959	29.415	29.078E	---	---	---	---	18
19	29.052	28.85	28.719	29.120	29.656	29.946	29.395	29.064E	---	---	---	---	19
20	29.048	28.849	28.716	29.151	29.674	29.928	29.378	29.041E	---	---	---	---	20
21	29.041	28.842	28.714	29.187	29.695	29.915	29.355	29.035E	---	---	---	---	21
22	29.029	28.837	28.711	29.207	29.719	29.901	29.338	29.018E	---	---	---	---	22
23	29.021	28.834	28.705	29.218	29.745	29.888	29.319	29.008E	---	---	---	---	23
24	29.021	28.831	28.709	29.235	29.769	29.867	29.309	28.998E	---	---	---	---	24
25	29.016	28.831	28.711	29.247	29.798	29.852	29.293	28.894E	---	---	---	---	25
26	29.006	28.829	28.714	29.256	29.826	29.829A	29.273	28.882E	---	---	---	---	26
27	28.998	28.825	28.712	29.272	29.851	29.798E	29.256	28.863E	---	---	---	---	27
28	28.984	28.822	28.712	29.282	29.875	29.766E	29.256	28.848E	---	---	---	---	28
29	28.980		28.711	29.329	29.899	29.741E	29.263	---	---	---	---	---	29
30	28.971		28.708	29.352	29.914	29.715E	29.253	---	---	---	---	---	30
31	28.971		28.724		29.934		29.242	---		---	---	---	31
MEAN	29.068	28.884	28.746	29.026	29.642	29.939	29.450	---	---	---	---	---	MEAN
MAX	29.159	28.988	28.817	29.352	29.934	30.025	29.704	---	---	---	---	---	MAX
MIN	28.971	28.822	28.705	28.738	29.372	29.715	29.242	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.025 ON JUN 10

MAXIMUM INSTANTANEOUS,
30.030 AT 18:36 CST ON JUN 12

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 30 N
LONG 98 05 20 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

LONG RIVER NEAR HOLMFIELD - STATION NO. 05QA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.91	1.82	0.102	0.080	0.429	0.013	0.495	---	---	1
2	---	---	0.0058	1.42	1.65	0.058	0.016	0.319	0.015	0.545	---	---	2
3	---	---	0.0158	1.52	1.48	0.055	0.056	0.228	0.048	0.588	---	---	3
4	---	---	0.0258	1.49	1.36	0.051	0.125	0.095	0.058	0.593	---	---	4
5	---	---	0.0248	1.38	1.58	0.037	0.433	0.030	0.080	0.629	---	---	5
6	---	---	0.0228	1.28	2.02	0.024	0.524	0.068	0.085	0.687	---	---	6
7	---	---	0.0208	1.15	1.86	0.022	0.320	0.094	0.051	0.662	---	---	7
8	---	---	0.0188	1.06	1.71	0.026	0.166	0.116	0.045	0.701	---	---	8
9	---	---	0.0168	0.917	2.20	0.016	0.186	0.172	0.039	0.722	---	---	9
10	---	---	0.0188	0.807	2.32	0	0.249	0.206	0.029	0.717	---	---	10
11	---	---	0.0228	0.709	2.13	0	0.406	0.239	0.021	0.671	---	---	11
12	---	---	0.0358	0.654	1.87	0	0.545	0.240	0.015	0.716	---	---	12
13	---	---	0.0418	0.584	1.82	0	0.527	0.224	0.010	0.727	---	---	13
14	---	---	0.1298	0.853	1.58	0	0.514	0.186	0.004	0.689	---	---	14
15	---	---	0.3618	0.613	1.39	0	0.486	0.145	0.002	0.883	---	---	15
16	---	---	0.8908	0.520	1.23	0	0.437	0.112	0.002	0.730	---	---	16
17	---	---	1.84 B	0.587	1.09	0	0.369	0.091	0.019	0.747	---	---	17
18	---	---	2.05 B	1.07	0.988	0	0.321	0.084	0.037	0.819	---	---	18
19	---	---	2.13 B	2.47	0.847	0	0.297	0.049	0.050	0.870	---	---	19
20	---	---	1.55 B	4.32	0.732	0	0.332	0.022	0.083	0.908	---	---	20
21	---	---	0.8338	4.41	0.653	0.001	0.276	0.014	0.129	0.805	---	---	21
22	---	---	0.6878	3.28	0.582	0.014	0.210	0.009	0.185	0.789	---	---	22
23	---	---	2.15 B	2.32	0.488	0.366	0.137	0.038	0.187	0.725	---	---	23
24	---	---	2.09 B	2.09	0.427	0.730	0.110	0.045	0.193	0.786	---	---	24
25	---	---	0.9388	2.25	0.375	0.548	0.094	0.084	0.239	0.767	---	---	25
26	---	---	1.50 B	2.13	0.318	0.320	0.107	0.089	0.303	0.787	---	---	26
27	---	---	1.17 B	1.89	0.241	0.185	0.153	0.070	0.382	0.787	---	---	27
28	---	---	1.33 B	1.72	0.221	0.201	0.827	0.057	0.404	0.739	---	---	28
29	---		1.78 B	1.65	0.200	0.089	1.02	0.044	0.471	0.701	---	---	29
30	---		1.78 B	1.90	0.185	0.025	0.701	0.025	0.521	0.684	---	---	30
31	---		1.72		0.147		0.511	0.013		0.5718		---	31
TOTAL	---	---	25.489	48.234	35.655	2.851	10.499	3.608	3.630	22.085	---	---	TOTAL
MEAN	---	---	0.822	1.61	1.15	0.095	0.339	0.116	0.121	0.712	---	---	MEAN
MAX	---	---	2.15	4.41	2.32	0.730	1.02	0.429	0.521	0.908	---	---	MAX
MIN	---	---	0	0.520	0.147	0	0.018	0.009	0.002	0.495	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.621
MAXIMUM DAILY, 4.41 ON APR 21
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.78 AT 00:33 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 51 N
LONG 99 24 51 W
DRAINAGE AREA, 576 km²

B - ICE CONDITIONS

REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	997
FEB	---	AUG	312
MAR	2 200	SEP	314
APR	4 170	OCT	1 910
MAY	3 080	NOV	---
JUN	246	DEC	---

TOTAL DISCHARGE, 13 100 dam³

LOON RIVER ABOVE BRITTON LAKE - STATION NO. 05EA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2838	0.2228	0.1928	0.1708	2.89	4.49	1.71	8.73	1.89	0.878	0.704	0.616	1
2	0.2818	0.2228	0.1928	0.1708	2.83	4.49	1.58	8.42	1.58	0.850	0.698	0.621	2
3	0.2788	0.2208	0.1928	0.1708	2.96	4.19	1.55	8.07	1.53	0.841	0.698	0.619	3
4	0.2768	0.2208	0.1908	0.1708	3.09	3.98	1.67	7.71	1.43	0.836	0.699	0.615	4
5	0.2748	0.2188	0.1908	0.1708	3.24	3.73	1.60	7.35	1.40	0.838	0.697	0.613	5
6	0.2728	0.2188	0.1908	0.1708	3.56	3.52	1.93	7.05	1.36	0.840	0.685	0.615	6
7	0.2708	0.2188	0.1908	0.1708	3.89	3.36	2.30	6.89	1.28	0.840	0.679	0.631	7
8	0.2678	0.2188	0.1888	0.1708	4.22	3.25	2.42	6.31	1.23	0.835	0.671	0.650	8
9	0.2638	0.2148	0.1888	0.1708	4.43	3.14	2.46	5.95	1.20	0.827	0.666	0.656	9
10	0.2618	0.2128	0.1868	0.1708	4.82	3.05	2.47	5.62	1.20	0.817	0.657	0.656	10
11	0.2598	0.2128	0.1888	0.1728	5.50	2.95	2.47	5.33	1.16	0.818	0.647	0.650	11
12	0.2568	0.2108	0.1868	0.1808	6.36	2.79	2.46	5.05	1.14	0.803	0.640	0.635	12
13	0.2538	0.2108	0.1868	0.1908	7.33	2.68	2.40	4.80	1.10	0.792	0.635	0.635	13
14	0.2508	0.2088	0.1868	0.2008	7.88	2.55	2.37	4.57	1.07	0.781	0.630	0.638	14
15	0.2508	0.2068	0.1848	0.2108	8.58	2.46	2.48	4.38	1.03	0.774	0.626	0.634	15
16	0.2458	0.2088	0.1848	0.2308	9.84	2.40	2.53	4.20	1.00	0.765	0.623	0.630	16
17	0.2418	0.2068	0.1828	0.2748	10.2	2.35	2.52	4.02	1.02	0.759	0.617	0.628	17
18	0.2398	0.2068	0.1828	0.2868	10.0	2.25	2.92	3.85	1.00	0.759	0.608	0.625	18
19	0.2378	0.2048	0.1808	0.3408	9.75	2.21	3.58	3.62	0.978	0.755	0.595	0.622	19
20	0.2368	0.2048	0.1808	0.4058	9.40	2.17	3.95	3.37	0.948	0.745	0.587	0.620	20
21	0.2348	0.2028	0.1808	0.491	9.01	2.13	4.14	3.24	0.931	0.738	0.595	0.615	21
22	0.2328	0.2028	0.1788	0.538	8.65	2.11	4.29	3.03	0.912	0.731	0.598	0.608	22
23	0.2308	0.2008	0.1788	0.616	8.06	2.04	5.65	2.81	0.898	0.728	0.613	0.601	23
24	0.2308	0.2008	0.1788	0.755	7.60	2.01	7.62	2.68	0.878	0.724	0.626	0.606	24
25	0.2288	0.1988	0.1788	0.981	7.19	2.00	8.91	2.48	0.827	0.718	0.621	0.609	25
26	0.2288	0.1988	0.1788	1.38	6.71	1.98	9.50	2.38	0.807	0.703	0.620	0.612	26
27	0.2288	0.1948	0.1748	1.97	6.29	1.82	8.53	2.26	0.834	0.708	0.620	0.613	27
28	0.2268	0.1948	0.1748	2.43	5.90	1.84	8.45	2.17	0.878	0.685	0.620	0.613	28
29	0.2268		0.1728	2.81	5.43	1.82	9.36	2.09	0.893	0.704	0.619	0.609	29
30	0.2248		0.1728	2.84	4.88	1.79	9.04	1.98	0.887	0.713	0.613	0.604	30
31	0.2248		0.1708		4.67		8.88	1.81		0.712		0.601	31
TOTAL	7.700	5.840	5.864	19.009	195.26	81.71	133.58	141.98	33.092	24.019	19.218	19.300	TOTAL
MEAN	0.248	0.209	0.183	0.634	6.30	2.72	4.31	4.58	1.10	0.775	0.641	0.623	MEAN
MAX	0.283	0.222	0.192	2.84	10.2	4.49	9.53	8.73	1.89	0.878	0.704	0.656	MAX
MIN	0.224	0.194	0.170	0.170	2.89	1.79	1.58	1.81	0.807	0.695	0.595	0.601	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.88
MAXIMUM DAILY, 10.2 ON MAY 17
MINIMUM DAILY, 0.1708 ON MAR 31
MAXIMUM INSTANTANEOUS,
10.2 ON MAY 17

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 03 16 N
LONG 101 51 30 W
DRAINAGE AREA, 1 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	685	JUL	11 500
FEB	505	AUG	12 300
MAR	489	SEP	2 880
APR	1 640	OCT	2 080
MAY	16 900	NOV	1 680
JUN	7 060	DEC	1 670

TOTAL DISCHARGE, 59 300 dam³

MAIN DRAIN NEAR DOMINION CITY - STATION NO. 05OD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.001B	8.82	7.38	0.001	0	0	0	0	---	---	1
2	---	---	0.001B	6.32	4.80	0.001	0	0	0	0	---	---	2
3	---	---	0.001B	4.70	3.56	0.001	0.001	0	0	0	---	---	3
4	---	---	0.001B	3.63	2.84	0.001	0.002	0	0	0	---	---	4
5	---	---	0.001B	2.81	2.27	0.001	0.002	0	0	0	---	---	5
6	---	---	0.001B	2.15	1.78	0.001	0.001	0	0	0	---	---	6
7	---	---	0.001B	1.69	1.76	0.001	0.001	0	0	0	---	---	7
8	---	---	0.001B	1.27	1.59	0.001	0.001	0	0	0	---	---	8
9	---	---	0.001B	0.862	1.32	0.001	0.001	0	0	0	---	---	9
10	---	---	0.001B	0.603	1.01	0.001	0.004	0	0	0	---	---	10
11	---	---	0.001B	0.572	0.892	0.001	0.030	0	0	0	---	---	11
12	---	---	0.001B	0.4588	4.51	0.001	0.021	0	0	0	---	---	12
13	---	---	0.001B	0.3448	1.90	0.001	0.066	0	0	0	---	---	13
14	---	---	0.001B	0.2308	0.950	0	0.086	0	0	0	---	---	14
15	---	---	0.001B	0.1168	0.458	0.001	0.071	0	0	0	---	---	15
16	---	---	0.001B	0.110	0.200	0.001	0.057	0	0	0	---	---	16
17	---	---	0.001B	0.115	0.117	0.001	0.043	0	0	0	---	---	17
18	---	---	0.001B	0.220	0.088	0.001	0.029	0	0	0	---	---	18
19	---	---	0.001B	0.046	0.040	0.001	0.014	0	0	0	---	---	19
20	---	---	0.001B	0.296	0.019	0.001	0	0	0	0	---	---	20
21	---	---	0.2008	0.183	0.011	0.001	0	0	0	0	---	---	21
22	---	---	0.2058	0.100	0.008	0.001	0	0	0	0	---	---	22
23	---	---	0.5008	0.058	0.007	0.001	0	0	0	0	---	---	23
24	---	---	0.9008	0.045	0.007	0.001	0	0	0	0	---	---	24
25	---	---	1.00 B	0.036	0.006	0	0	0	0	0	---	---	25
26	---	---	3.50 B	0.462	0.005	0	0	0	0	0	---	---	26
27	---	---	7.78 B	2.46	0.004	0	0	0	0	0	---	---	27
28	---	---	8.50 B	3.23	0.003	0	0	0	0	0	---	---	28
29	---		10.9 B	2.70	0.002	0	0	0	0	0	---	---	29
30	---		12.2 B	4.13	0.001	0	0	0	0	0	---	---	30
31	---		17.2 B		0.001		0	0		0		---	31
TOTAL	---	---	63.905	48.855	37.630	0.023	0.430	0	0	0	---	---	TOTAL
MEAN	---	---	2.06	1.63	1.21	0.001	0.014	0	0	0	---	---	MEAN
MAX	---	---	17.2	8.82	7.38	0.001	0.086	0	0	0	---	---	MAX
MIN	---	---	0.001	0.036	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.616
MAXIMUM DAILY, 17.2B ON MAR 31
MINIMUM DAILY, 0 ON JUN 14

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 01 N
LONG 97 08 42 W
DRAINAGE AREA, 177 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	37.2
FEB	---	AUG	0
MAR	5 520	SEP	0
APR	4 220	OCT	0
MAY	3 250	NOV	---
JUN	1.98	DEC	---

TOTAL DISCHARGE, 13 000 dam³

MAIN DRAIN NEAR RIDGEVILLE - STATION NO. 05DD033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.16	2.59	0	0	0	0	0	---	---	1
2	---	---	0 B	1.52	1.48	0	0	0	0	0	---	---	2
3	---	---	0 B	1.14	0.897	0	0	0	0	0	---	---	3
4	---	---	0 B	0.869	0.756	0	0	0	0	0	---	---	4
5	---	---	0 B	0.807	0.704	0	0	0	0	0	---	---	5
6	---	---	0 B	0.455	0.577	0	0	0	0	0	---	---	6
7	---	---	0 B	0.352	0.474	0	0	0	0	0	---	---	7
8	---	---	0 B	0.270	0.388	0	0.001	0	0	0	---	---	8
9	---	---	0 B	0.194	0.295	0	0.007	0.006	0	0	---	---	9
10	---	---	0 B	0.145	0.223	0	0.018	0.004	0	0	---	---	10
11	---	---	0 B	0.096	0.292	0	0.106	0.003	0	0	---	---	11
12	---	---	0 B	0.0735	0.552	0	0.059	0.001	0	0	---	---	12
13	---	---	0 B	0.0585	0.146	0	0.037	0	0	0	---	---	13
14	---	---	0 B	0.0428	0.083	0	0.024	0	0	0	---	---	14
15	---	---	0 B	0.0308	0.063	0	0.012	0	0	0	---	---	15
16	---	---	0 B	0.024	0.049	0	0.006	0	0	0	---	---	16
17	---	---	0 B	0.023	0.037	0	0.005	0	0	0	---	---	17
18	---	---	0 B	0.021	0.030	0	0.004	0	0	0	---	---	18
19	---	---	0 B	0.188	0.025	0	0.009	0	0	0	---	---	19
20	---	---	0 B	0.260	0.017	0	0.008	0	0	0	---	---	20
21	---	---	0 B	0.185	0.010	0	0.005	0	0	0	---	---	21
22	---	---	0 B	0.117	0.007	0	0.004	0	0	0	---	---	22
23	---	---	0 B	0.084	0.005	0	0.002	0	0	0	---	---	23
24	---	---	0 B	0.057	0.004	0	0.001	0	0	0	---	---	24
25	---	---	0 B	0.054	0.003	0	0	0	0	0	---	---	25
26	---	---	2.50 B	0.458	0.002	0	0	0	0	0	---	---	26
27	---	---	4.00 B	0.803	0.001	0	0	0	0	0	---	---	27
28	---	---	4.68 B	1.12	0	0	0	0	0	0	---	---	28
29	---		3.75 B	0.875	0	0	0	0	0	0	---	---	29
30	---		3.45 B	2.02	0	0	0	0	0	0	---	---	30
31	---		2.70		0		0	0		0		---	31
TOTAL	---	---	21.12	14.084	9.719	0	0.310	0.014	0	0	---	---	TOTAL
MEAN	---	---	0.681	0.469	0.314	0	0.010	0	0	0	---	---	MEAN
MAX	---	---	4.68	2.16	2.59	0	0.105	0.006	0	0	---	---	MAX
MIN	---	---	0	0.021	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.185
MAXIMUM DAILY, 4.680 ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 40 N
LONG 97 04 10 W
DRAINAGE AREA, 46.5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	26.8
FEB	---	AUG	1.21
MAR	1 820	SEP	0
APR	1 220	OCT	0
MAY	840	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 3 910 dam³

MANIGOTAGAN RIVER NEAR MANIGOTAGAN - STATION NO. 05RA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.558	4.668	3.728	7.508	43.2	23.9	8.01	3.68	2.73	2.65	2.268	1.528	1
2	7.298	4.458	3.638	9.328	42.8	23.5	7.76	3.76	2.71	2.56	2.118	1.478	2
3	7.018	4.238	3.498	11.3 B	42.4	23.0	7.51	3.76	2.77	2.57	1.980	1.428	3
4	6.878	4.048	3.398	13.5 B	42.2	21.1	7.47	3.84	2.86	2.51	1.978	1.588	4
5	6.628	3.758	3.328	16.5 B	42.9	20.0	7.31	3.84	2.83	2.45	2.038	1.558	5
6	6.298	3.638	3.108	19.2 B	44.7	19.4	7.17	3.69	2.76	2.47	1.978	1.588	6
7	6.228	3.468	2.948	22.2 B	46.0	19.2	6.92	3.77	2.79	2.43	1.758	1.558	7
8	6.198	3.408	3.018	24.5 B	46.3	18.4	6.72	3.80	2.78	2.44	1.838	1.628	8
9	6.358	3.368	3.328	26.2 B	46.4	17.8	6.62	3.86	2.73	2.38	1.978	1.668	9
10	6.348	3.248	3.638	26.3 B	46.6	16.9	6.35	3.46	2.73	2.26	1.988	1.648	10
11	5.968	3.318	3.648	25.4 B	46.7	16.4	6.08	3.37	2.73	2.43	1.978	1.648	11
12	5.698	3.288	3.678	25.4 B	46.4	15.9	5.92	3.34	2.63	2.40	1.848	1.628	12
13	5.478	3.498	3.658	24.3 B	45.5	15.2	5.81	3.27	2.65	2.35	1.818	1.638	13
14	5.298	3.528	3.658	24.2 B	44.7	14.6	5.73	3.25	2.69	2.32	1.788	1.628	14
15	5.188	3.598	3.478	24.9 B	43.7	13.9	5.54	3.29	2.64	2.32	1.768	1.718	15
16	5.108	3.718	3.478	26.9	42.5	13.3	5.27	3.19	2.61	2.33	1.748	1.788	16
17	4.848	3.848	3.508	26.8	41.3	12.7	5.17	3.10	2.78	2.34	1.708	1.828	17
18	4.558	3.838	3.548	27.6	39.9	12.4	5.32	3.05	2.85	2.31	1.688	1.778	18
19	4.368	4.548	3.498	29.2	38.6	12.0	4.84	3.03	2.71	2.28	1.708	1.788	19
20	4.278	4.038	3.388	31.7	37.3	11.6	4.71	2.94	2.66	2.26	1.778	1.768	20
21	4.018	3.828	3.378	32.5	36.3	11.3	4.46	2.85	2.65	2.27	1.818	1.868	21
22	3.928	3.818	3.448	32.6	35.1	11.2	4.36	2.83	2.61	2.24	1.818	1.708	22
23	3.838	4.028	3.488	32.8	33.8	10.6	4.31	2.81	2.59	2.22	1.788	1.718	23
24	3.978	4.088	3.488	33.3	32.7	10.1	4.26	2.81	2.55	2.26	1.778	1.738	24
25	4.058	4.088	3.488	33.6	31.6	10.5	4.00	2.86	2.59	2.25	1.758	1.768	25
26	4.158	4.108	3.518	33.6	30.5	10.2	3.92	2.88	2.60	2.19	1.728	1.788	26
27	4.078	3.988	3.588	34.2	29.3	9.79	3.78	2.84	2.72	2.20	1.688	1.758	27
28	4.138	3.788	3.768	35.4	28.1	9.21	4.38	2.80	2.76	2.20	1.638	1.788	28
29	4.288		4.288	41.1	26.9	8.77	4.11	2.73	2.69	2.18	1.548	1.758	29
30	4.348		4.768	43.1	25.8	8.43	3.80	2.72	2.67	2.16	1.518	1.788	30
31	4.358		5.718		24.8		3.61	2.69		2.308		1.788	31
TOTAL	162.80	107.17	111.85	796.02	1 205.5	436.40	171.17	89.25	81.10	72.87	54.80	52.17	TOTAL
MEAN	5.25	3.82	3.60	26.5	38.9	14.6	5.52	3.20	2.70	2.34	1.82	1.68	MEAN
MAX	7.55	4.86	5.71	43.1	46.7	23.9	8.01	3.77	2.86	2.65	2.26	1.82	MAX
MIN	3.83	3.28	2.94	7.50	24.8	8.43	3.61	2.69	2.65	2.16	1.51	1.52	MIN

SUMMARY FOR THE YEAR 1985

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.19
MAXIMUM DAILY, 46.7 ON MAY 11
MINIMUM DAILY, 1.51B ON NOV 30
MAXIMUM INSTANTANEOUS,
47.0 AT 14:55 CST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 54 N
LONG 96 17 00 W
DRAINAGE AREA, 1 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 000	JUL	14 800
FEB	9 280	AUG	6 580
MAR	9 650	SEP	7 010
APR	68 800	OCT	6 280
MAY	104 000	NOV	4 710
JUN	38 000	DEC	4 510

TOTAL DISCHARGE, 280 000 dam³

MANISTIKAN LAKE NEAR FISH FLOW - STATION NO. 05KG008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	293.384	293.440	293.397	293.484	293.555	293.504	---	---	1
2	---	---	---	---	293.388	293.437	293.390	293.485	293.551	293.504	---	---	2
3	---	---	---	---	293.400	293.438	293.397	293.480	293.551	293.500	---	---	3
4	---	---	---	---	293.401	293.432	293.393	293.486	293.552	293.504	---	---	4
5	---	---	---	---	293.400	293.426	293.402	293.501	293.548	293.503	---	---	5
6	---	---	---	---	293.400A	293.424	293.414	293.511	293.543	293.507	---	---	6
7	---	---	---	---	293.408E	293.425	293.407	293.527	293.534	293.518	---	---	7
8	---	---	---	293.300A	293.412E	293.415	293.404	293.536	293.520	293.516	---	---	8
9	---	---	---	---	293.418E	293.419	293.402	293.552	293.508	293.511	---	---	9
10	---	---	---	---	293.425E	293.428	293.397	293.556	293.505	293.518	---	---	10
11	---	---	293.298A	---	293.431E	293.427	293.388	293.560	293.505	293.510	---	---	11
12	---	---	---	---	293.437A	293.406	293.400	293.565	293.498	293.503	---	---	12
13	---	---	---	---	293.440	293.439	293.398	293.575	293.486	293.502	---	---	13
14	---	---	---	---	293.448	293.430	293.388	293.578	293.480	293.497	---	---	14
15	---	---	---	---	293.464	293.429	293.398	293.582	293.474	293.493	---	---	15
16	---	---	---	---	293.322	293.476	293.423	293.400	293.584	293.474	293.491	---	16
17	---	---	---	---	293.322	293.476	293.419	293.399	293.577	293.476	293.489	---	17
18	---	---	---	---	293.328	293.478	293.419	293.405	293.574	293.477	293.489	---	18
19	---	---	---	---	293.330	293.478	293.416	293.410	293.576	293.476	293.489	---	19
20	---	---	---	---	293.332	293.477	293.415	293.405	293.572	293.476	293.487	---	20
21	---	---	---	---	293.334	293.472	293.412	293.406	293.586	293.478	293.488	---	21
22	---	---	---	---	293.341	293.468	293.414	293.398	293.586	293.481	293.488	---	22
23	---	---	---	---	293.354	293.466	293.408	293.408	293.583	293.485	293.486	---	23
24	---	---	---	---	293.359	293.462	293.407	293.428	293.585	293.488	293.485	---	24
25	---	---	---	---	293.363	293.459	293.408	293.427	293.584	293.489	293.485	---	25
26	---	---	---	---	293.368	293.454	293.408	293.430	293.559	293.487	293.483	---	26
27	---	---	---	---	293.374	293.451	293.407	293.438	293.557	293.484	293.480	---	27
28	---	---	---	---	293.381	293.450	293.407	293.440	293.558	293.495	293.480	---	28
29	---		---	---	293.395	293.446	293.400	293.460	293.559	293.498	293.472	---	29
30	---		---	---	293.392	293.447	293.397	293.465	293.561	293.503	293.469	---	30
31	---		---			293.445		293.475	293.563		293.472A	---	31
MEAN	---	---	---	---	---	293.442	293.421	293.412	293.550	293.503	293.494	---	MEAN
MAX	---	---	---	---	---	293.478	293.444	293.475	293.584	293.555	293.518	---	MAX
MIN	---	---	---	---	---	293.384	293.397	293.380	293.484	293.474	293.469	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 293.584 ON AUG 16

MAXIMUM INSTANTANEOUS,
293.587 AT 11:22 CST ON AUG 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 00 N
LONG 101 48 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

MANNES DRAIN NEAR SANFORD - STATION NO. 05OG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.28	1.09	0	0	0.010	0	0	---	---	1
2	---	---	0 B	3.83	0.553	0B	0	0.007	0	0	---	---	2
3	---	---	0 B	1.80	0.315	0E	0	0.003	0	0	---	---	3
4	---	---	0 B	1.39	0.225	0E	0	0.001	0	0	---	---	4
5	---	---	0 B	1.05	0.239	0A	0	0	0	0	---	---	5
6	---	---	0 B	1.09	0.258	0	0	0	0	0	---	---	6
7	---	---	0 B	0.928	0.211	0	0	0	0	0	---	---	7
8	---	---	0 B	0.885	0.175	0	0	0	0	0	---	---	8
9	---	---	0 B	0.426	0.155	0	0	0	0	0	---	---	9
10	---	---	0 B	0.306	0.141	0	0	0	0	0E	---	---	10
11	---	---	0 B	0.232	0.312	0	0	0	0	0E	---	---	11
12	---	---	0 B	0.1888	0.548	0	0.028	0	0	0E	---	---	12
13	---	---	0 B	0.1878	0.298	0	0.120	0	0	0E	---	---	13
14	---	---	0 B	0.1488	0.178	0	0.041	0	0	0E	---	---	14
15	---	---	0 B	0.148	0.140	0	0.011	0	0	0E	---	---	15
16	---	---	0 B	0.155	0.119	0	0.005	0	0	0E	---	---	16
17	---	---	0 B	0.162	0.106	0	0.014	0	0	0E	---	---	17
18	---	---	0 B	0.170	0.096	0	0.015	0	0	0E	---	---	18
19	---	---	0 B	0.205	0.084	0	0.013	0	0	0E	---	---	19
20	---	---	0 B	0.219	0.072	0	0.011	0	0	0E	---	---	20
21	---	---	0 B	0.193	0.082	0	0.008	0	0	0E	---	---	21
22	---	---	0 B	0.171	0.063	0	0.006	0	0	0E	---	---	22
23	---	---	0 B	0.155	0.041	0	0.006	0	0	0E	---	---	23
24	---	---	0 B	0.146	0.035	0	0.002	0	0	0E	---	---	24
25	---	---	0 B	0.140	0.029	0	0.001	0	0	0E	---	---	25
26	---	---	0 B	0.192	0.023	0	0.001	0	0	0E	---	---	26
27	---	---	0 B	0.159	0.017	0	0.003	0	0	0E	---	---	27
28	---	---	0.2008	0.194	0.012	0	0.011	0	0	0E	---	---	28
29	---		1.20 B	0.231	0.009	0	0.022	0	0	0E	---	---	29
30	---		2.86 B	0.383	0.006	0	0.022	0	0	0E	---	---	30
31	---		3.08		0.002		0.015	0		0E	---	---	31
TOTAL	---	---	7.320	17.476	5.579	0	0.356	0.021	0	0	---	---	TOTAL
MEAN	---	---	0.236	0.583	0.180	0	0.012	0.001	0	0	---	---	MEAN
MAX	---	---	3.08	3.28	1.09	0	0.139	0.010	0	0	---	---	MAX
MIN	---	---	0	0.140	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.128
MAXIMUM DAILY, 3.28 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.86 AT 19:35 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 14 N
LONG 97 22 32 W
DRAINAGE AREA, 84.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	30.8
FEB	---	AUG	1.61
MAR	632	SEP	0
APR	1 510	OCT	0
MAY	482	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 2 680 dam³

MANNING CANAL NEAR ILE DES CHENES - STATION NO. 05DE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0088	10.0	34.8 A	0.146	0.078	0.084	0	0.233	---	---	1
2	---	---	0.0088	7.78	17.8	0.141	0.080	0.078	0.004	0.219	---	---	2
3	---	---	0.0088	5.61	10.7	0.159	0.051	0.081	0.012	0.153	---	---	3
4	---	---	0.0088	4.54	7.86	0.153	0.054	0.045	0.008	0.129	---	---	4
5	---	---	0.0088	3.81	10.4	0.141	0.058	0.036	0.008	0.112	---	---	5
6	---	---	0.0088	2.88	12.7	0.121	0.058	0.032	0.021	0.087	---	---	6
7	---	---	0.0088	2.55	9.48	0.118	0.055	0.032	0.018	0.070	---	---	7
8	---	---	0.0088	2.07	7.48	0.088	0.051	0.128	0.014	0.055	---	---	8
9	---	---	0.0088	1.82	8.18	0.093	0.050	0.316	0.010	0.048	---	---	9
10	---	---	0.0088	1.24	5.09	0.092	0.052	0.358	0.006	0.050	---	---	10
11	---	---	0.0088	1.04	4.53	0.089	0.058	0.281	0.006	0.041	---	---	11
12	---	---	0.0088	0.815B	5.48	0.088	0.077	0.188	0.004	0.045	---	---	12
13	---	---	0.0088	0.558B	5.72	0.085	0.139	0.127	0	0.148	---	---	13
14	---	---	0.0078	0.488B	4.26	0.081	0.124	0.108	0.004	0.185	---	---	14
15	---	---	0.0083	0.558B	3.25	0.084	0.111	0.100	0.004	0.184	---	---	15
16	---	---	0.0088	0.538	2.50	0.088	0.111	0.092	0.004	0.198	---	---	16
17	---	---	0.0108	0.422	2.01	0.094	0.109	0.084	0.020	0.228	---	---	17
18	---	---	0.0108	0.374	1.64	0.097	0.088	0.078	0.033	0.283	---	---	18
19	---	---	0.0108	0.521	1.28	0.090	0.170	0.073	0.050	0.240	---	---	19
20	---	---	0.0108	0.851A	1.00	0.087	0.118	0.080	0.085	0.185	---	---	20
21	---	---	0.0108	1.08 E	0.830	0.102	0.083	0.051	0.088	0.152	---	---	21
22	---	---	0.0258	0.832E	0.709	0.137	0.058	0.049	0.085	0.180	---	---	22
23	---	---	0.0508	0.701E	0.611	0.104	0.045	0.043	0.080	0.224	---	---	23
24	---	---	1.00 B	0.584E	0.555	0.085	0.041	0.021	0.117	0.223	---	---	24
25	---	---	4.00 B	0.855E	0.490	0.074	0.042	0.013	0.484	0.179	---	---	25
26	---	---	8.00 B	0.815E	0.431	0.073	0.048	0.004	0.286	0.148	---	---	26
27	---	---	7.67 B	3.62 E	0.380	0.081	0.175	0.004	0.175	0.117	---	---	27
28	---	---	25.5 B	8.22 E	0.326	0.125	0.149	0.001	0.142	0.099	---	---	28
29	---		39.6 B	8.61 F	0.270	0.111	0.291	0	0.145	0.092	---	---	29
30	---		18.8 B	10.4 E	0.217	0.092	0.219	0	0.279	0.081	---	---	30
31	---		13.8		0.182		0.118	0		0.089		---	31
TOTAL	---	---	116.197	83.361	159.171	3.128	2.939	2.526	3.152	4.444	---	---	TOTAL
MEAN	---	---	3.75	2.78	5.13	0.104	0.095	0.081	0.072	0.143	---	---	MEAN
MAX	---	---	39.6	10.4	34.8	0.159	0.291	0.358	0.484	0.283	---	---	MAX
MIN	---	---	0.008	0.374	0.182	0.073	0.041	0	0	0.041	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.53
MAXIMUM DAILY, 39.68 ON MAR 29
MINIMUM DAILY, 0 ON AUG 29
MAXIMUM INSTANTANEOUS,
42.18 AT 08:06 CST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 50 N
LONG 96 54 20 W
DRAINAGE AREA, 494 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	254
FEB	---	AUG	218
MAR	10 000	SEP	188
APR	7 200	OCT	384
MAY	13 800	NOV	---
JUN	270	DEC	---

TOTAL DISCHARGE, 32 300 dam³

MAPLE (MARSHY) LAKE NEAR PIPESTONE - STATION NO. 05NG022

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	430.150	430.539	430.545	430.407	430.477	430.239	430.154	430.134	---	1
2	---	---	---	430.148	430.536	430.538	430.401	430.472	430.231	430.186	430.126	---	2
3	---	---	---	430.150	430.530	430.533	430.394	430.483	430.224	430.173	430.122A	---	3
4	---	---	---	430.149	430.529	430.524	430.387	430.455	430.215	430.173	---	---	4
5	---	---	---	430.148	430.553	430.513	430.424	430.447	430.208	430.172	---	---	5
6	---	---	---	430.146	430.612	430.510	430.426	430.440	430.202	430.172	---	---	6
7	---	---	---	430.144	430.607	430.515	430.421	430.432	430.195	430.171	---	---	7
8	---	---	---	430.142	430.601	430.509	430.414	430.424	430.188	430.170	---	---	8
9	---	---	---	430.144	430.612	430.505	430.407	430.417	430.181	430.170	---	---	9
10	---	---	---	430.150	430.628	430.505	430.412	430.410	430.174	430.170	---	---	10
11	---	---	---	430.163	430.620	430.499	430.412	430.405	430.170	430.189	---	---	11
12	---	---	---	430.182A	430.613	430.489	430.409	430.398	430.167	430.188	---	---	12
13	---	---	---	430.211E	430.601	430.478	430.406	430.390	430.162	430.184	---	---	13
14	---	---	---	430.234E	430.592	430.472	430.402	430.383	430.156	430.185	---	---	14
15	---	---	---	430.262A	430.589	430.468	430.394	430.374	430.150	430.185	---	---	15
16	---	---	---	430.298A	430.592	430.470	430.388	430.388	430.148	430.182	---	---	16
17	---	---	430.183A	430.332	430.598	430.485	430.428	430.358	430.151	430.181	---	---	17
18	---	---	430.187	430.396	430.606	430.456	430.461	430.348	430.150	430.159	---	---	18
19	---	---	430.198	430.440	430.612	430.458	430.458	430.341	430.148	430.157	---	---	19
20	---	---	430.189	430.480	430.615	430.484	430.454	430.330	430.150	430.155	---	---	20
21	---	---	430.184	430.474	430.613	430.485	430.454	430.323	430.152	430.152	---	---	21
22	---	---	430.193	430.468	430.608	430.457	430.446	430.315	430.161	430.148	---	---	22
23	---	---	430.188	430.508	430.602	430.451	430.461	430.308	430.148	430.145	---	---	23
24	---	---	430.182	430.515	430.600	430.442	430.458	430.299	430.145	430.143	---	---	24
25	---	---	430.182	430.520	430.597	430.432	430.451	430.294	430.153	430.142	---	---	25
26	---	---	430.181	430.524	430.593	430.437	430.447	430.288	430.156	430.140	---	---	26
27	---	---	430.172	430.527	430.588	430.433	430.447	430.280	430.158	430.138	---	---	27
28	---	---	430.169	430.532	430.580	430.425	430.435	430.271	430.155	430.136	---	---	28
29	---		430.185	430.530	430.573	430.418	430.487	430.262	430.154	430.133	---	---	29
30	---		430.181	430.535	430.565	430.413	430.493	430.255	430.154	430.133	---	---	30
31	---		430.157		430.554		430.484	430.248		430.138		---	31
MEAN	---	---	---	430.320	430.583	430.478	430.433	430.363	430.171	430.157	---	---	MEAN
MAX	---	---	---	430.535	430.628	430.545	430.487	430.477	430.239	430.173	---	---	MAX
MIN	---	---	---	430.142	430.529	430.413	430.387	430.248	430.145	430.133	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 430.628 ON MAY 10
MINIMUM DAILY, 430.122A ON NOV 3
MAXIMUM INSTANTANEOUS,
430.630 AT 09:21 CST ON MAY 10

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 14 N
LONG 100 48 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1988

DRAINAGE AREA,
1 170 km²

MARGARET LAKE NEAR OTTER FALLS - STATION NO. 05PF801

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	274.965	274.389	274.283	274.228E	---	---	---	1
2	---	---	---	---	274.598	274.959	274.367	274.339	274.212E	---	---	---	2
3	---	---	---	---	---	274.952	274.083	274.291	274.185E	---	---	---	3
4	---	---	---	---	---	274.920	274.178	274.300	274.178	---	---	---	4
5	---	---	---	---	---	274.928	274.189	274.331	---	---	---	---	5
6	---	---	---	---	---	274.930	274.204	274.306	---	---	---	---	6
7	---	---	---	---	274.690	274.922	274.185	274.288	---	---	---	---	7
8	---	---	---	---	274.713	274.845	274.242	274.288	---	---	---	---	8
9	---	---	---	---	274.717	274.850	274.189	274.289	---	---	---	---	9
10	---	---	---	---	274.741	274.883	274.240E	274.273	---	---	---	---	10
11	---	---	---	---	274.779	274.880	274.291	274.242	---	---	---	---	11
12	---	---	---	---	274.630	274.873	274.230	274.229	---	---	---	---	12
13	---	---	---	---	274.645E	274.869	274.250	274.201	---	---	---	---	13
14	---	---	---	---	274.650E	274.771	274.272	274.218	---	---	---	---	14
15	---	---	---	---	274.675	274.895	274.282	274.279	---	274.313	---	---	15
16	---	---	---	---	274.846	274.833	274.279	274.248	---	---	---	---	16
17	---	---	---	---	274.851	274.823	274.278	274.207	---	---	---	---	17
18	---	---	---	---	274.871	274.883	274.258	274.214	274.183	---	---	---	18
19	---	---	---	---	274.847	274.808	274.315	274.207	---	---	---	---	19
20	---	---	---	---	274.840	274.599	274.322E	274.283	---	---	---	---	20
21	---	---	---	---	274.813	274.855	274.329	274.282	---	---	---	---	21
22	---	---	---	---	274.894	274.383	274.326	274.267	---	---	---	---	22
23	---	---	---	---	274.848	274.429	274.314	274.271	---	---	---	---	23
24	---	---	---	---	274.850	274.334	274.288	274.281	---	---	---	---	24
25	---	---	---	---	274.836	274.349	274.300	274.308	---	---	---	---	25
26	---	---	---	---	274.958	274.347	274.290	274.229	---	---	---	---	26
27	---	---	---	---	274.885	274.380	274.315	274.249	---	---	---	---	27
28	---	---	---	---	274.881	274.291	274.287	274.285	---	---	---	---	28
29	---		---	---	274.863	274.283	274.312	274.184	274.185	---	---	---	29
30	---		---	---	274.848	274.401	274.296	274.261	---	---	---	---	30
31	---		---		274.865		274.287	274.248E		---		---	31
MEAN	---	---	---	---	---	274.670	274.269	274.262	---	---	---	---	MEAN
MAX	---	---	---	---	---	274.965	274.389	274.339	---	---	---	---	MAX
MIN	---	---	---	---	---	274.283	274.083	274.184	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 08 38 N
LONG 95 49 04 W
DATA CONTRIBUTED BY - MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MARSH RIVER NEAR OTTERBURNE - STATION NO. 05OE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	30.6	7.84	0.218	0	0	0	0	0	---	1
2	---	---	0 B	24.8	8.06	0.189	0	0	0	0	0	---	2
3	---	---	0 B	19.0	5.82	0.157	0	0	0	0	0	---	3
4	---	---	0 B	13.2	4.07	0.129	0	0	0	0	---	---	4
5	---	---	0 B	9.80	7.62	0.108	0	0	0	0	---	---	5
6	---	---	0 B	7.67	5.03	0.088	0	0	0	0	---	---	6
7	---	---	0 B	6.07	3.70	0.074	0	0	0	0	---	---	7
8	---	---	0 B	4.47	2.78	0.057	0	0	0	0	---	---	8
9	---	---	0 B	3.85	2.34	0.043	0	0	0	0	---	---	9
10	---	---	0 B	3.29	2.12	0.032	0	0	0	0	---	---	10
11	---	---	0 B	3.08	1.98	0.022	0	0	0	0	---	---	11
12	---	---	0 B	2.87	1.98	0.008	0	0	0	0	---	---	12
13	---	---	0 B	2.71	1.70	0	0	0	0	0	---	---	13
14	---	---	0 B	2.60	1.47	0	0	0	0	0	---	---	14
15	---	---	0 B	2.51	1.31	0	0	0	0	0	---	---	15
16	---	---	0 B	2.45	1.24	0	0	0	0	0	---	---	16
17	---	---	0 B	2.49	1.15	0	0	0	0	0	---	---	17
18	---	---	0 B	2.55	1.01	0	0	0	0	0	---	---	18
19	---	---	0 B	2.61	0.894	0	0	0	0	0	---	---	19
20	---	---	0 B	2.80	0.844	0	0	0	0	0	---	---	20
21	---	---	0 B	2.57	0.781	0	0	0	0	0	---	---	21
22	---	---	0 B	2.60	0.722	0	0	0	0	0	---	---	22
23	---	---	0.0208	2.83	0.685	0	0	0	0	0	---	---	23
24	---	---	0.0508	2.83	0.611	0	0	0	0	0	---	---	24
25	---	---	0.0808	2.84	0.581	0	0	0	0	0	---	---	25
26	---	---	0.1258	2.70	0.603	0	0	0	0	0	---	---	26
27	---	---	0.1508	2.73	0.485	0	0	0	0	0	---	---	27
28	---	---	0.9038	2.81	0.404	0	0	0	0	0	---	---	28
29	---		3.59 B	3.27	0.351	0	0	0	0	0	---	---	29
30	---		10.0 B	4.52	0.302	0	0	0	0	0	---	---	30
31	---		23.0 B		0.257		0	0		0		---	31
TOTAL	---	---	37.918	177.72	69.390	1.133	0	0	0	0	---	---	TOTAL
MEAN	---	---	1.22	5.92	2.24	0.037	0	0	0	0	---	---	MEAN
MAX	---	---	23.0	30.6	8.06	0.218	0	0	0	0	---	---	MAX
MIN	---	---	0	2.45	0.257	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.17
MAXIMUM DAILY, 30.6 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS, 30.7 AT 14:00 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 00 N
LONG 97 09 20 W
DRAINAGE AREA, 648 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	3 280	SEP	0
APR	15 400	OCT	0
MAY	6 000	NOV	---
JUN	97.0	DEC	---

TOTAL DISCHARGE, 24 800 dam³

MARY JANE RESERVOIR NEAR LA RIVIERE - STATION NO. 05OB014

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	468.480	468.488	468.458	468.597	468.557	468.462	468.367	468.328	468.178	468.104	468.054	468.084	1
2	468.481	468.488	468.456	468.671	468.558	468.456	468.364	468.326	468.171	468.104	468.052	468.084	2
3	468.481	468.487	468.457	468.654	468.555	468.451	468.357	468.324	468.170	468.105	468.051	468.085	3
4	468.481	468.485	468.456	468.639	468.549	468.445	468.348	468.323	468.169	468.105	468.049	468.086	4
5	468.481	468.486	468.456	468.621	468.783	468.440	468.349	468.322	468.166	468.105	468.050	468.086	5
6	468.481	468.486	468.456	468.604	468.868	468.434	468.349	468.321	468.161	468.104	468.050	468.087	6
7	468.480	468.486	468.456	468.590	468.724	468.432	468.349	468.319	468.158	468.104	468.051	468.087	7
8	468.480	468.485	468.456	468.578	468.633	468.429	468.348	468.314	468.150	468.104	468.052	468.087	8
9	468.479	468.485	468.456	468.562	468.598	468.427	468.348	468.310	468.145	468.103	468.054	468.086	9
10	468.479	468.484	468.455	468.553	468.580	468.426	468.348	468.305	468.140	468.103	468.057	468.087	10
11	468.478	468.484	468.455	468.546	468.567	468.422	468.349	468.298	468.138	468.102	468.059	468.088	11
12	468.477	468.483	468.455	468.540	468.556	468.413	468.350	468.292	468.131	468.101	468.061	468.090	12
13	468.476	468.483	468.455	468.529	468.549	468.406	468.350	468.287	468.126	468.100	468.062	468.089	13
14	468.476	468.483	468.455	468.520	468.538	468.399	468.351	468.282	468.121	468.099	468.064	468.088	14
15	468.474	468.483	468.456	468.513	468.530	468.396	468.352	468.277	468.117	468.097	468.066	468.087	15
16	468.474	468.483	468.456	468.510	468.522	468.394	468.353	468.271	468.114	468.095	468.068	468.086	16
17	468.474	468.482	468.457	468.518	468.520	468.393	468.354	468.264	468.113	468.089	468.069	468.085	17
18	468.474	468.483	468.458	468.561	468.517	468.390	468.354	468.259	468.112	468.083	468.069	468.084	18
19	468.474	468.483	468.458	468.771	468.513	468.388	468.353	468.253	468.112	468.081	468.069	468.084	19
20	468.474	468.483	468.459	468.789	468.509	468.384	468.353	468.245	468.112	468.079	468.070	468.083	20
21	468.474	468.483	468.459	468.680	468.506	468.383	468.352	468.237	468.112	468.077	468.071	468.083	21
22	468.474	468.483	468.524	468.609	468.499	468.382	468.351	468.232	468.110	468.075	468.072	468.082	22
23	468.473	468.483	468.745	468.585	468.494	468.383	468.350	468.227	468.108	468.072	468.073	468.082	23
24	468.472	468.483	468.904	468.568	468.494	468.383	468.348	468.222	468.106	468.070	468.075	468.080	24
25	468.472	468.482	468.840	468.554	468.494	468.382	468.343	468.217	468.105	468.068	468.076	468.078	25
26	468.472	468.482	468.718	468.548	468.493	468.382	468.339	468.211	468.105	468.066	468.078	468.077	26
27	468.472	468.482	468.736	468.543	468.490	468.380	468.337	468.204	468.105	468.065	468.078	468.076	27
28	468.471	468.480	468.811	468.542	468.488	468.376	468.335	468.198	468.105	468.063	468.081	468.075	28
29	468.471		468.842	468.539	468.486	468.372	468.334	468.192	468.106	468.060	468.082	468.075	29
30	468.470		468.817	468.547	468.481	468.370	468.333	468.188	468.108	468.058	468.083	468.074	30
31	468.470		468.784		468.472		468.330	468.184		468.056		468.073	31
MEAN	468.476	468.484	468.557	468.588	468.553	468.406	468.348	468.266	468.129	468.087	468.065	468.083	MEAN
MAX	468.481	468.489	468.904	468.771	468.868	468.462	468.367	468.328	468.178	468.105	468.083	468.090	MAX
MIN	468.470	468.480	468.455	468.510	468.472	468.370	468.330	468.184	468.105	468.056	468.049	468.073	MIN

WATER LEVELS IN METRES

MEAN, 468.334
MAXIMUM DAILY, 468.904 ON MAR 24
MINIMUM DAILY, 468.049 ON NOV 6
MAXIMUM INSTANTANEOUS,
468.984 AT 22 21 CST ON MAR 24

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 14 N
LONG 98 37 37 W

REGULATED

DRAINAGE AREA,
81.8 km²

MCKINNON CREEK NEAR MCCREARY - STATION NO. 05LJ027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.25 B	1.21	0.350	0.228E	0.227E	0.048	0.055	---	---	1
2	---	---	0 B	1.20 B	1.21	0.384	0.227E	0.233E	0.035	0.084	---	---	2
3	---	---	0 B	0.959B	2.08	0.381	0.217E	0.218A	0.041	0.143	---	---	3
4	---	---	0 B	0.749B	2.93	0.339	0.210E	0.213E	0.034	0.138	---	---	4
5	---	---	0 B	0.869B	7.66	0.327	0.283A	0.220A	0.043	0.127	---	---	5
6	---	---	0 B	1.04 B	18.6	0.330	0.267	0.251A	0.041	0.107	---	---	6
7	---	---	0 B	1.62 B	8.39	0.334	0.232E	0.263	0.035	0.088	---	---	7
8	---	---	0 B	1.47 B	3.71	0.325	0.224E	0.191	0.033	0.084	---	---	8
9	---	---	0 B	1.47 B	3.37	0.323	0.218E	0.213	0.042	0.078	---	---	9
10	---	---	0 B	1.38 B	3.39	0.349	0.20KE	0.188	0.048	0.058A	---	---	10
11	---	---	0 B	1.21 B	2.42	0.342	0.344	0.122	0.043	0.055E	---	---	11
12	---	---	0 B	1.59 B	2.00	0.302A	0.470	0.094	0.082	0.058A	---	---	12
13	---	---	0 B	1.03 B	1.70	0.276	1.22	0.067	0.072	0.064A	---	---	13
14	---	---	0.001B	0.878B	1.52	0.265	0.781	0.071	0.083	0.057E	---	---	14
15	---	---	0.004B	1.22 B	1.45	0.273	0.418	0.057	0.080	0.052A	---	---	15
16	---	---	0.011B	0.944B	1.30	0.270	0.261	0.051	0.087	0.050	---	---	16
17	---	---	0.021B	1.25 B	1.14	0.258	0.278	0.047	0.108	0.073	---	---	17
18	---	---	0.038B	3.41	1.06	0.244A	0.283	0.047	0.089	0.089	---	---	18
19	---	---	0.074B	4.81	0.984	0.236E	0.247A	0.054	0.081	0.095	---	---	19
20	---	---	0.055B	3.10	0.876	0.249A	0.231E	0.039	0.081	0.107	---	---	20
21	---	---	0.047B	1.32	0.780	0.241E	0.220E	0.032	0.077	0.135	---	---	21
22	---	---	0.045B	1.11	0.714	0.238E	0.204E	0.030	0.082	0.148	---	---	22
23	---	---	0.057B	1.07	0.678	0.227E	0.192E	0.034	0.082	0.155	---	---	23
24	---	---	0.122B	0.978	0.655	0.214E	0.184E	0.038	0.089	0.148	---	---	24
25	---	---	0.260B	0.828	0.598	0.211E	0.187A	0.041	0.134	0.155	---	---	25
26	---	---	0.197B	0.731	0.558	0.582A	0.847	0.024	0.152	0.157	---	---	26
27	---	---	0.283B	0.883	0.516	0.422	0.378	0.025	0.111	0.151	---	---	27
28	---	---	2.32 B	0.819	0.488	0.302	0.279	0.025	0.053	0.150	---	---	28
29	---		2.36 B	1.05	0.440	0.248A	0.245	0.027	0.036	0.153	---	---	29
30	---		1.50 B	1.33	0.403	0.237E	0.293	0.042	0.032	0.115	---	---	30
31	---		1.04 B		0.370		0.237A	0.048		0.093		---	31
TOTAL	---	---	8.445	40.374	59.185	9.070	9.847	3.244	1.843	3.247	---	---	TOTAL
MEAN	---	---	0.272	1.35	2.23	0.302	0.321	0.105	0.061	0.105	---	---	MEAN
MAX	---	---	2.36	4.81	18.6	0.582	1.22	0.263	0.152	0.157	---	---	MAX
MIN	---	---	0	0.693	0.370	0.211	0.187	0.024	0.032	0.050	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.593
MAXIMUM DAILY, 18.6 ON MAY 6
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
30.4 AT 03:49 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 00 N
LONG 99 28 45 W
DRAINAGE AREA, 70.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	859
FEB	---	AUG	280
MAR	730	SEP	159
APR	3 490	OCT	281
MAY	5 880	NOV	---
JUN	784	DEC	---

TOTAL DISCHARGE, 12 800 dam³

MEDORA CREEK NEAR NAPINKA - STATION NO. 05ND020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.141	0.045	0.007	0	0	0	0	---	---	1
2	---	---	0 B	0.115	0.035	0.006	0	0	0	0	---	---	2
3	---	---	0 B	0.095	0.028	0.005	0	0	0	0	---	---	3
4	---	---	0 B	0.082	0.034	0.003	0	0	0	0	---	---	4
5	---	---	0 B	0.079	0.050	0.002	0	0	0	0	---	---	5
6	---	---	0 B	0.074	0.424	0.002	0	0	0	0	---	---	6
7	---	---	0 B	0.071	0.522	0.002	0	0	0	0	---	---	7
8	---	---	0 B	0.064	0.376	0.001	0	0	0	0	---	---	8
9	---	---	0 B	0.056	0.305	0.001	0	0	0	0	---	---	9
10	---	---	0.0288	0.050	0.361	0.001	0	0	0	0	---	---	10
11	---	---	0.0558	0.047	0.327	0	0	0	0	0	---	---	11
12	---	---	0.0528	0.048	0.287	0	0	0	0	0	---	---	12
13	---	---	0.0108	0.047	0.205	0	0	0	0	0	---	---	13
14	---	---	0.0158	0.048	0.165	0	0	0	0	0	---	---	14
15	---	---	0.4108	0.048	0.120	0	0	0	0	0	---	---	15
16	---	---	0.5378	0.049	0.087	0	0	0	0	0	---	---	16
17	---	---	1.12 B	0.048	0.071	0	0	0	0	0	---	---	17
18	---	---	2.14 B	0.091	0.058	0	0	0	0	0	---	---	18
19	---	---	1.69 A	0.396	0.048	0	0	0	0	0	---	---	19
20	---	---	1.13 A	0.754	0.038	0	0	0	0	0	---	---	20
21	---	---	0.833A	0.481	0.029	0	0	0	0	0	---	---	21
22	---	---	0.948	0.268	0.022	0	0	0	0	0	---	---	22
23	---	---	1.20 A	0.175	0.019	0	0	0	0	0	---	---	23
24	---	---	1.15	0.130	0.017	0	0	0	0	0	---	---	24
25	---	---	0.846	0.100	0.015	0	0	0	0	0	---	---	25
26	---	---	0.448A	0.079	0.013	0	0	0	0	0	---	---	26
27	---	---	0.337	0.067	0.013	0	0	0	0	0	---	---	27
28	---	---	0.323	0.060	0.016	0	0	0	0	0	---	---	28
29	---		0.234	0.051	0.015	0	0	0	0	0	---	---	29
30	---		0.202	0.047	0.013	0	0	0	0	0	---	---	30
31	---		0.193		0.010		0	0		0	---	---	31
TOTAL	---	---	13.897	3.839	3.791	0.030	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.448	0.128	0.122	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	2.14	0.754	0.522	0.007	0	0	0	0	---	---	MAX
MIN	---	---	0	0.046	0.010	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.088
MAXIMUM DAILY, 2.148 ON MAR 18
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.538 AT 12:14 CST ON MAR 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 30 N
LONG 100 42 10 W
DRAINAGE AREA, 435 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 200	SEP	0
APR	332	OCT	0
MAY	328	NOV	---
JUN	2.59	DEC	---

TOTAL DISCHARGE, 1 860 dam³

MINK CREEK NEAR ETHELBERT - STATION NO. 05LJ019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.84 B	1.31	0.163	0.058	0.044	0	0.511	---	---	1
2	---	---	0 B	5.44 B	1.54	0.184	0.079	0.022	0	0.307	---	---	2
3	---	---	0 B	3.44 B	1.90	0.157	0.045	0.558	0.001	0.207	---	---	3
4	---	---	0 B	2.96 B	2.08	0.149	0.055	0.613	0.013	0.202	---	---	4
5	---	---	0 B	2.31 B	2.61	0.152	0.173	0.360	0.008	0.183	---	---	5
6	---	---	0 B	2.17 B	5.32	0.148	0.302	0.221	0.005	0.145	---	---	6
7	---	---	0 B	2.14 B	9.95	0.141	0.281	0.285	0.002	0.128	---	---	7
8	---	---	0 B	2.80 B	7.56	0.137	0.212	0.203	0	0.134	---	---	8
9	---	---	0 B	2.43 B	6.29	0.142	0.187	0.190	0	0.102	---	---	9
10	---	---	0 B	3.11	7.91	0.127	0.239	0.150	0	0.116	---	---	10
11	---	---	0 B	2.83	7.66	0.118	0.272	0.110	0	0.108	---	---	11
12	---	---	0 B	2.13 B	5.98	0.114	0.327	0.089	0.001	0.114	---	---	12
13	---	---	0 B	1.45 B	4.58	0.096	0.500	0.080	0.004	0.119	---	---	13
14	---	---	0 B	1.06 B	3.44	0.074	0.891	0.080	0.005	0.110	---	---	14
15	---	---	0 B	0.7128	2.96	0.074	0.786	0.062	0.051	0.105	---	---	15
16	---	---	0 B	0.8228	2.58	0.071	0.585	0.036	0.031	0.095	---	---	16
17	---	---	0 B	1.09	2.23	0.062	0.353	0.028	0.041	0.083	---	---	17
18	---	---	0 B	1.54	1.81	0.098	0.200	0.041	0.021	0.086	---	---	18
19	---	---	0 B	1.95	1.58	0.079	0.144	0.037	0.021	0.084	---	---	19
20	---	---	0 B	2.07	1.43	0.111	0.114	0.028	0.030	0.191	---	---	20
21	---	---	0.0258	1.78	1.31	0.136	0.124	0.016	0.032	0.086	---	---	21
22	---	---	0.0908	1.29	1.17	0.135	0.077	0.009	0.028	0.063	---	---	22
23	---	---	0.3608	1.14	1.07	0.134	0.055	0.008	0.041	0.054	---	---	23
24	---	---	0.8338	1.15	0.875	0.167	0.036	0.009	0.139	0.084	---	---	24
25	---	---	0.7218	1.20	0.764	0.136	0.027	0.010	0.150	0.137	---	---	25
26	---	---	0.9338	1.09	0.628	0.136	0.050	0.006	0.197	0.133	---	---	26
27	---	---	1.25 B	0.980	0.521	0.125	0.057	0.003	0.576	0.143	---	---	27
28	---	---	2.42 B	1.03	0.405	0.106	0.079	0.001	0.413	0.099	---	---	28
29	---		5.26 B	1.16	0.300	0.093	0.045	0	0.494	0.075	---	---	29
30	---		8.30 B	1.21	0.239	0.070	0.039	0	0.560	0.071	---	---	30
31	---		7.44 B		0.183		0.036	0		0.0598A		---	31
TOTAL	---	---	28.832	60.084	88.195	3.516	5.429	3.509	2.968	4.099	---	---	TOTAL
MEAN	---	---	0.924	2.00	2.85	0.121	0.207	0.113	0.095	0.132	---	---	MEAN
MAX	---	---	8.30	5.84	9.95	0.167	0.891	0.613	0.560	0.511	---	---	MAX
MIN	---	---	0	0.622	0.183	0.062	0.027	0	0	0.054	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.606
MAXIMUM DAILY, 9.95 ON MAY 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10.6 AT 16:29 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 00 N
LONG 100 21 10 W
DRAINAGE AREA, 144 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	555
FEB	---	AUG	303
MAR	2 470	SEP	256
APR	5 190	OCT	354
MAY	7 830	NOV	---
JUN	312	DEC	---

TOTAL DISCHARGE, 17 100 dam³

MINNEWASTA CREEK NEAR BEULAH - STATION NO. 05ME008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.508	1.18	0.174	0.009	---	---	---	---	---	1
2	---	---	0 B	4.628	1.08	0.165	0.004	---	---	---	---	---	2
3	---	---	0 B	3.358	1.03	0.161	0	---	---	---	---	---	3
4	---	---	0 B	2.348	0.989	0.144	0	---	---	---	---	---	4
5	---	---	0 B	1.738	1.13	0.148	0.022	---	---	---	---	---	5
6	---	---	0 B	1.51	1.34	0.145	.020	---	---	---	---	---	6
7	---	---	0 B	1.25	1.24	0.128	.017A	---	---	---	---	---	7
8	---	---	0 B	1.18	1.17	0.120	---	---	---	---	---	---	8
9	---	---	0 B	1.84	1.15	0.121	---	---	---	---	---	---	9
10	---	---	0 B	2.34	1.13	0.118	---	---	---	---	---	---	10
11	---	---	0 B	2.37	1.02	0.083	---	---	---	---	---	---	11
12	---	---	0 B	2.318	0.918	0.104	---	---	---	---	---	---	12
13	---	---	0 B	2.878	0.805	0.085	---	---	---	---	---	---	13
14	---	---	0.0058	2.658	0.708	0.046	---	---	---	---	---	---	14
15	---	---	0.0208	2.738	0.634	0.048	---	---	---	---	---	---	15
16	---	---	0.0308	2.608	0.583	0.031	---	---	---	---	---	---	16
17	---	---	0.0408	1.66	0.543	0.026	---	---	---	---	---	---	17
18	---	---	0.0508	1.91	0.499	0.022	---	---	---	---	---	---	18
19	---	---	0.0508	1.92	0.486	0.024	---	---	---	---	---	---	19
20	---	---	0.0708	1.87	0.445	0.029	---	---	---	---	---	---	20
21	---	---	0.1078	1.77	0.407	0.020	---	---	---	---	---	---	21
22	---	---	0.4738	1.68	0.378	0.018	---	---	---	---	---	---	22
23	---	---	0.7858	1.57	0.345	0.011	---	---	---	---	---	---	23
24	---	---	1.03 B	1.47	0.314	0.008	---	---	---	---	---	---	24
25	---	---	0.8498	1.42	0.272	0.002	---	---	---	---	---	---	25
26	---	---	0.5408	1.38	0.271	0.025	---	---	---	---	---	---	26
27	---	---	0.6158	1.35	0.275	0.017	---	---	---	---	---	---	27
28	---	---	1.98 B	1.31	0.240	0.012	---	---	---	---	---	---	28
29	---		2.88 B	1.34	0.268	0.002	---	---	---	---	---	---	29
30	---		3.61 B	1.27	0.205	0.002	---	---	---	---	---	---	30
31	---		4.78 B		0.195		---	---		---		---	31
TOTAL	---	---	17.954	63.33	21.221	2.047	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.578	2.11	0.685	0.068	---	---	---	---	---	---	MEAN
MAX	---	---	4.78	5.50	1.34	0.174	---	---	---	---	---	---	MAX
MIN	---	---	0	1.18	0.195	0.002	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.857
MAXIMUM DAILY, 5.508 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
6.348 AT 08 47 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 09 N
LONG 101 01 14 W
DRAINAGE AREA, 362 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	1 550	SEP	---
APR	5 470	OCT	---
MAY	1 830	NOV	---
JUN	177	DEC	---

TOTAL DISCHARGE, 9 030 dam³

MORDEN RESERVOIR NEAR MORDEN - STATION NO. 05DC801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	329.540E	329.471E	329.398E	329.839	329.857	---	329.510	329.340	329.080	---	328.677E	328.615	1
2	329.540	329.471E	329.385E	329.819	329.827	---	329.500	329.334E	329.050	---	328.674E	328.612E	2
3	329.540E	329.471	329.391	---	---	329.710	329.480	329.327E	329.050	---	328.670	328.609E	3
4	329.540	329.488E	329.391E	---	---	329.701	329.490	329.320	329.030	---	328.670E	328.605	4
5	329.535E	329.461	329.391	329.809	329.786	329.701	329.480E	329.310	329.010	---	328.670	328.595	5
6	329.530	329.461E	329.391	329.804E	329.798	329.691	329.470E	329.310	329.004E	---	328.670	328.595	6
7	329.525E	329.461	329.371	329.799	329.808	329.685E	329.460	329.300	328.997E	---	328.660	328.590E	7
8	329.520	329.461E	329.371E	329.789	329.798	329.678E	329.450	329.290	328.990	328.830	328.673E	328.585	8
9	329.515E	329.461E	329.371E	329.779	329.798	329.671	329.440	329.284E	328.980	328.825E	328.685E	328.580E	9
10	329.510	329.461	329.371E	329.778E	---	329.671	329.440	329.277E	328.970	328.820	328.700	328.575	10
11	329.507E	329.458E	329.371	329.779	---	329.651	329.450	329.270	328.950	328.810	328.700	328.575E	11
12	329.504E	329.451	329.381E	---	330.218	329.641	329.450E	329.260	328.940	328.805E	328.700	328.575	12
13	329.500	329.448E	329.391	---	329.898	329.631	329.450E	329.260	---	328.800	328.685	328.569E	13
14	329.500	329.441	329.381E	329.789	329.829	329.628E	329.450	329.250	---	328.790	328.675	328.562E	14
15	329.500E	329.441E	329.371	329.789	329.809	329.625Z	329.440	329.240	---	328.780	328.672E	328.555	15
16	329.500	329.441E	329.381E	329.778E	329.799	329.622	329.440	329.230E	---	328.780E	328.668E	328.550E	16
17	329.500E	329.441	329.391	329.765	---	329.612	329.430	329.220E	---	328.780	328.664E	328.545	17
18	329.500E	329.436E	329.401	329.795	---	329.612	329.420	329.210	---	328.774E	328.660	328.540E	18
19	329.500E	329.431	329.411	330.026	329.789	329.590	329.417E	329.200	---	328.767E	328.650	328.535	19
20	329.500	329.426E	329.601	329.926E	329.779	329.590	329.414E	329.180	---	328.760	328.658E	328.532E	20
21	329.500E	329.421	329.821	329.826	329.779	329.590E	329.410	329.160	---	328.760	328.655	328.529E	21
22	329.500	329.418E	329.951	329.812E	329.779	329.590E	329.390	329.140	328.890	328.750	328.652E	328.525	22
23	329.495E	329.415E	329.830E	329.797	329.779	329.590	329.380	329.134E	---	328.744E	328.648E	328.525E	23
24	329.490	329.411	329.909	329.797	---	329.580	329.380	329.127E	---	328.737E	328.645	328.525	24
25	329.484E	329.411E	329.894	329.787	---	329.570	329.360	329.120	---	328.730	328.642E	328.522E	25
26	329.477E	329.411	329.909	329.792E	329.780	329.560	329.360E	329.120	---	328.730E	328.638E	328.519E	26
27	329.470	329.406E	329.859	329.797	329.780	329.550	329.360E	329.110	---	328.730	328.635	328.515	27
28	329.470E	329.401	329.857E	329.827	329.780	329.544E	329.360	329.106	---	328.720	328.625	328.505E	28
29	329.470		329.854E	329.827	329.780	329.537E	329.350	329.080	---	328.710	328.622E	328.495	29
30	329.481		329.852E	330.017	329.760	329.530	329.350	329.074E	328.885	328.700	328.619E	328.495E	30
31	329.471		329.849		---		329.350	329.067E		328.680		328.495	31
MEAN	329.504	329.441	329.581	---	---	---	329.424	329.215	---	---	328.683	328.553	MEAN
MAX	329.540	329.471	329.951	---	---	---	329.510	329.340	---	---	328.700	328.615	MAX
MIN	329.470	329.401	329.371	---	---	---	329.350	329.067	---	---	328.619	328.495	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 55 N
LONG 98 08 04 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MORRIS RIVER NEAR ROSENORT - STATION NO. 05OF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	112	21.9	1.00	0.449	0.618	0.080	0.276	---	---	1
2	---	---	0 B	104	22.3	0.911	0.341	0.774	0.076	0.303	---	---	2
3	---	---	0 B	89.4	22.4 E	0.880	0.238	0.809	0.083	0.298	---	---	3
4	---	---	0 B	74.7	22.3 E	0.726	0.189	0.827	0.092	0.305	---	---	4
5	---	---	0 B	63.3	32.0 E	0.566	0.157	1.03	0.095	0.312	---	---	5
6	---	---	0 B	52.5 A	44.2 E	0.525	0.156	0.984	0.100	0.263	---	---	6
7	---	---	0 B	42.0 A	41.7 E	0.525	0.178	0.917	0.104	0.137	---	---	7
8	---	---	0 B	31.6	37.9 A	0.441	0.243	0.757	0.129	0.085	---	---	8
9	---	---	0 B	22.9	33.6	0.376	0.248	0.777	0.121	0.052	---	---	9
10	---	---	0 B	18.1	27.7	0.365	0.438	0.855	0.118	0.181	---	---	10
11	---	---	0 B	15.0	22.9	0.335	1.40 A	0.729	0.109	0.201	---	---	11
12	---	---	0 B	12.5	26.1	0.322	2.22	0.677	0.101	0.130	---	---	12
13	---	---	0 B	11.0	25.5	0.276	3.11	0.622	0.096	0.081	---	---	13
14	---	---	0 B	9.55	18.5	0.267	2.95	0.587	0.088	0.100	---	---	14
15	---	---	0 B	9.12	13.6	0.260	3.58	0.507	0.082	0.132	---	---	15
16	---	---	0 B	7.34	11.3	0.255	3.54	0.486	0.074	0.148	---	---	16
17	---	---	0 B	8.21	9.21	0.267	3.31	0.384	0.078	0.134	---	---	17
18	---	---	0 B	5.49	7.57	0.304	2.92	0.307	0.077	0.139	---	---	18
19	---	---	0 B	7.41	8.45	0.267	2.61	0.326	0.070	0.135	---	---	19
20	---	---	0 B	13.4	5.88	0.382	2.68	0.267	0.085	0.121	---	---	20
21	---	---	0 B	20.6	5.32	0.461	2.70	0.229	0.088	0.106	---	---	21
22	---	---	0 B	21.0	4.75	0.454	2.63	0.232	0.089	0.102	---	---	22
23	---	---	0 B	17.6	4.25	0.443	2.57	0.185	0.117	0.104	---	---	23
24	---	---	0 B	14.3	3.78	0.558	2.43	0.185	0.181	0.080	---	---	24
25	---	---	0.4708	12.2	3.25	0.626	1.99	0.155	0.144	0.066	---	---	25
26	---	---	4.95 B	11.1	2.81	0.984	1.84	0.113	0.143	0.057	---	---	26
27	---	---	14.2 B	10.3	2.36	1.21	1.81	0.104	0.152	0.055	---	---	27
28	---	---	40.6 B	10.4	2.02	0.956	1.49	0.098	0.162	0.063	---	---	28
29	---		54.7 B	11.0	1.71	0.894	1.32	0.091	0.207	0.061	---	---	29
30	---		86.2 B	12.5	1.39	0.555	1.22	0.080	0.230	0.047	---	---	30
31	---		107 B		1.15		1.01	0.062		0.040	---	---	31
TOTAL	---	---	318.120	847.52	485.82	18.180	51.568	15.024	3.270	4.315	---	---	TOTAL
MEAN	---	---	10.3	28.3	15.7	0.540	1.66	0.485	0.109	0.139	---	---	MEAN
MAX	---	---	107	112	44.2	1.21	3.58	1.03	0.220	0.312	---	---	MAX
MIN	---	---	0	9.49	1.19	0.255	0.156	0.062	0.080	0.040	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.11
MAXIMUM DAILY, 112 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
113 AT 08:28 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 97 28 51 W
DRAINAGE AREA, 2 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 480
FEB	---	AUG	1 300
MAR	27 500	SEP	283
APR	73 200	OCT	373
MAY	42 000	NOV	---
JUN	1 400	DEC	---

TOTAL DISCHARGE, 151 000 dam³

MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE - STATION NO. 05LJ025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.48	11.28	10.6 B	8.97	26.8	45.5	36.2	27.4	22.2	18.7	15.5	13.68	1
2	11.38	11.08	10.5 B	12.6	27.5	47.4	38.0	29.1	22.5	17.5	16.1	12.98	2
3	11.48	11.08	10.3 B	16.7	28.3	42.3	36.2	29.0	19.8	20.5	16.3	13.18	3
4	11.48	10.98	10.3 B	18.2	27.1	43.8	31.4	29.1	16.2	17.1	16.6	13.58	4
5	11.18	10.88	10.3 B	18.8	27.5	46.2	32.2	29.0	18.6	17.7	16.6	13.28	5
6	11.48	10.58	10.0 B	19.3	28.8	43.6	34.8	28.3	19.4	18.3	15.9	13.48	6
7	11.58	10.58	10.4 B	19.4	32.7	39.7	32.5	27.6	19.1	16.2	15.9	13.48	7
8	11.68	10.68	10.4 B	19.9	32.1	44.2	32.8	26.2	20.2	17.0	3.848	13.18	8
9	11.38	10.68	10.7 B	20.4	34.3	43.0	32.0	25.1	20.9	20.6	12.7 B	14.28	9
10	11.48	10.68	10.7 B	20.8	37.0	40.1	32.1	27.3	20.2	14.5	14.6 B	14.58	10
11	10.78	10.78	10.7 B	20.6	37.6	43.7	32.0	28.2	20.1	15.5	13.9 B	13.38	11
12	10.98	10.88	10.6 B	21.0	37.4	34.9	30.8	27.6	18.1	18.7	13.7 B	13.38	12
13	11.18	10.88	10.6 B	21.1	40.4	38.1	31.6	27.5	18.5	18.5	14.1 B	13.38	13
14	11.28	10.88	10.6 B	21.0	42.2	40.3	33.0	27.6	19.5	16.3	14.3 B	13.28	14
15	11.28	10.68	10.6 B	21.8	44.9	39.3	34.8	26.3	19.8	18.3	14.6 B	13.18	15
16	11.18	10.68	10.3 B	22.0	43.7	40.6	33.5	24.6	21.6	18.7	14.5 B	13.18	16
17	11.08	10.58	10.6 B	22.5	46.5	41.0	33.5	26.9	18.3	16.9	14.4 B	12.98	17
18	11.18	10.88	10.3 B	22.8	50.3	40.0	32.4	27.1	19.1	18.3	14.2 B	13.08	18
19	11.38	11.08	10.4 B	23.4	50.8	39.9	31.0	26.2A	19.2	17.9	14.0 B	12.88	19
20	11.28	11.08	10.4 B	23.6	51.1	39.6	32.2	22.3A	19.5	17.8	14.1 B	12.88	20
21	11.18	10.98	10.6 B	24.4	51.2	39.0	31.5	25.9	19.7	17.7	13.8 B	12.98	21
22	11.18	11.08	10.1 B	24.6	50.3	37.1	33.0	24.0	18.8	16.5	13.7 B	12.78	22
23	11.08	10.88	10.6 B	24.7	49.1	38.5	31.8	25.7	18.8	17.3	13.9 B	12.78	23
24	11.13	10.88	10.3 B	25.2	47.5	41.3	28.5	26.2	18.7	17.8	14.0 B	12.68	24
25	10.78	10.78	10.7 B	25.3	47.3	37.9	31.2	20.4	24.5	17.8	13.8 B	12.78	25
26	11.78	10.48	11.1 B	25.0	47.7	37.8	30.7	23.2	20.0	17.1	13.9 B	12.88	26
27	11.48	10.68	10.9 B	25.2	47.3	36.5	30.8	23.8	19.7	19.2	13.8 B	12.98	27
28	11.08	10.68	10.7 B	25.4	46.9	36.1	30.8	23.7	20.2	14.1	13.4 B	12.88	28
29	11.28		10.5	26.1	46.5	37.4	30.4	23.4	19.4	15.5	13.5 B	12.98	29
30	11.08		10.0	26.2	44.6	37.0	27.6	23.4	19.2	21.0	13.6 B	12.88	30
31	11.38		9.01		43.2		27.9	19.9		9.73		12.58	31
TOTAL	347.2	300.9	323.81	646.97	1 285.7	1 212.9	998.1	804.3	580.8	542.43	423.04	406.0	TOTAL
MEAN	11.2	10.7	10.4	21.6	41.0	40.4	32.2	25.9	19.7	17.5	14.1	13.1	MEAN
MAX	11.7	11.2	11.1	26.2	51.2	47.4	36.0	29.1	24.5	21.0	16.6	14.5	MAX
MIN	10.7	10.4	9.01	8.97	26.8	34.9	27.8	19.9	16.1	9.73	3.84	12.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.6
MAXIMUM DAILY, 51.2 ON MAY 21
MINIMUM DAILY, 3.848 ON NOV 8
MAXIMUM INSTANTANEOUS,
54.6 AT 12:00 CST ON MAY 21

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 00 N
LONG 19 58 00 W
DRAINAGE AREA, 8 710 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	30 000	JUL	86 200
FEB	26 000	AUG	69 500
MAR	28 000	SEP	51 000
APR	55 500	OCT	46 800
MAY	110 000	NOV	36 600
JUN	105 000	DEC	35 100

TOTAL DISCHARGE, 680 000 dam³

MOWBRAY CREEK NEAR MOWBRAY - STATION NO. 05DB021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	2.59	0.661	0.017	0.051	0.193	0	0.006	0	0B	1
2	0B	0B	0 B	2.28	0.894	0.018	0.048	0.137	0	0.006	0	0B	2
3	0B	0B	0 B	2.82	0.564	8.76	0.048	0.105	0	0.006	0	0B	3
4	0B	0B	0 B	2.45	0.442	5.86	0.052	0.092	0	0.006	0	0B	4
5	0B	0B	0 B	1.88	0.375	3.78	0.374	0.125	0	0.006	0	0B	5
6	0B	0B	0 B	1.43	0.295	2.24	0.314	0.158	0	0.003	0	0B	6
7	0B	0B	0 B	1.02	0.260	1.80	0.154	0.178	0	0.001	0	0B	7
8	0B	0B	0 B	0.672	0.243	1.17	0.089	0.219	0	0	0B	0B	8
9	0B	0B	0 B	0.417	0.332	0.741	0.066	0.247	0	0	0B	0B	9
10	0B	0B	0 B	0.272	0.287	0.428	0.052	0.230	0	0	0B	0B	10
11	0B	0B	0 B	0.185	0.801	0.198	0.059	0.190	0	0	0B	0B	11
12	0B	0B	0 B	0.190E	1.21	0.087	0.102	0.118	0	0	0B	0B	12
13	0B	0B	0.050B	0.180E	0.568	0.060	0.073	0.100	0	0	0B	0B	13
14	0B	0B	0.200B	0.170E	0.306	0.048	0.082	0.085	0	0	0B	0B	14
15	0B	0B	0.400B	0.180E	0.342	0.040	0.117	0.077	0	0	0B	0B	15
16	0B	0B	0.350B	0.150E	0.302	0.041	0.182	0.084	0	0	0B	0B	16
17	0B	0B	0.278B	0.600E	0.348	0.052	0.138	0.088	0	0	0B	0B	17
18	0B	0B	0.141B	1.10 E	0.516	0.070	0.117	0.048	0	0	0B	0B	18
19	0B	0B	0.028B	1.50 E	0.382	0.059	0.101	0.039	0	0	0B	0B	19
20	0B	0B	0.043B	2.00 E	0.294	0.579	0.085	0.032	0	0	0B	0B	20
21	0B	0B	0.023B	1.83 E	0.239	1.25	0.106	0.024	0	0	0B	0B	21
22	0B	0B	0.400B	1.86 E	0.202	0.709	0.109	0.018	0.014	0	0B	0B	22
23	0B	0B	0.253B	1.48 E	0.186	0.303	0.102	0.018	0.017	0	0B	0B	23
24	0B	0B	1.05 B	1.31 E	0.185	0.152	0.092	0.012	0.010	0	0B	0B	24
25	0B	0B	2.56 B	1.14 E	0.117	0.092	0.083	0.008	0.010	0	0B	0B	25
26	0B	0B	5.57 B	0.970E	0.082	0.109	0.086	0.006	0.013	0	0B	0B	26
27	0B	0B	7.42 B	0.790E	0.080	0.161	0.124	0.003	0.010	0	0B	0B	27
28	0B	0B	11.0 B	0.620E	0.048	0.132	0.189	0	0.006	0	0B	0B	28
29	0B		8.95	0.450E	0.040	0.103	0.420	0	0.005	0	0B	0B	29
30	0B		4.23	0.466A	0.031	0.075	0.421	0	0.008	0	0B	0B	30
31	0B		3.41		0.022		0.285	0		0		0B	31
TOTAL	0	0	44.356	32.792	10.414	27.254	4.409	2.594	0.082	0.033	0	0	TOTAL
MEAN	0	0	1.43	1.09	0.336	0.908	0.142	0.084	0.003	0.001	0	0	MEAN
MAX	0	0	11.0	2.82	1.21	8.76	0.421	0.247	0.017	0.006	0	0	MAX
MIN	0	0	0	0.150	0.022	0.017	0.048	0		0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.498
MAXIMUM DAILY, 11.0B ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 98 27 15 W
DRAINAGE AREA, 281 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	381
FEB	0	AUG	224
MAR	3 830	SEP	7.85
APR	2 830	OCT	2.85
MAY	900	NOV	0
JUN	2 350	DEC	0

TOTAL DISCHARGE, 10 500 dam³

NEEPAWA CREEK NEAR NEEPAWA - STATION NO. 05LL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.150B	5.58 B	1.33	0.301	0.133	0.087	0.035	0.016	---	---	1
2	---	---	0.149B	4.86 B	1.42	0.339	0.114	0.068	0.028	0.012	---	---	2
3	---	---	0.149B	3.04 B	1.42	0.351	0.100	0.052	0.022	0.019	---	---	3
4	---	---	0.148B	2.51 B	1.34	0.215	0.112	0.049	0.014	0.024	---	---	4
5	---	---	0.147B	1.95 B	2.16	0.173	0.545	0.070	0.010	0.022	---	---	5
6	---	---	0.148B	1.85 B	8.05	0.174	0.629	0.069	0.009	0.022	---	---	6
7	---	---	0.148B	1.71	6.29	0.195	0.449	0.048	0.016	0.023	---	---	7
8	---	---	0.145B	1.58	3.57	0.104	0.391	0.037	0.007	0.029	---	---	8
9	---	---	0.144B	1.46	3.04	0.022A	0.293	0.033	0.004	0.033	---	---	9
10	---	---	0.144B	1.25	3.26	0.081A	0.484	0.029	0.006	0.033	---	---	10
11	---	---	0.143B	1.04	3.26	0.042	0.587	0.031	0.005	0.034	---	---	11
12	---	---	0.142B	0.862	2.50	0.036	0.594	0.019	0.008	0.036	---	---	12
13	---	---	0.141B	0.727B	2.01	0.039	0.811	0.014	0.009	0.035	---	---	13
14	---	---	0.141B	0.610B	1.85	0.034	0.859	0.010	0.024	0.042	---	---	14
15	---	---	0.140B	0.534B	1.42	0.106	1.04	0.088	0.038	0.036	---	---	15
16	---	---	0.139B	0.460B	1.23	0.161	1.25	0.055	0.131	0.035	---	---	16
17	---	---	0.138B	0.429	1.10	0.241	0.954	0.039	0.071	0.034	---	---	17
18	---	---	0.138B	1.12	0.962	0.398	0.897	0.017	0.080	0.035	---	---	18
19	---	---	0.137B	2.97	0.860	0.333	0.545	0.018	0.044	0.032	---	---	19
20	---	---	0.150B	3.71	0.804	0.246	0.443	0.017	0.038	0.036	---	---	20
21	---	---	0.188B	2.52	0.711	0.188	0.421	0.009	0.028	0.037	---	---	21
22	---	---	1.00 B	1.88	0.624	0.134	0.400	0.007	0.026	0.039	---	---	22
23	---	---	3.35 B	1.50	0.588	0.116	0.307	0.014	0.022	0.037	---	---	23
24	---	---	0.581B	1.24	0.530	0.087	0.237	0.018	0.012	0.037	---	---	24
25	---	---	1.19 B	1.08	0.489	0.089	0.173	0.038	0.026	0.042	---	---	25
26	---	---	1.81 B	1.04	0.442	0.408	0.147	0.052	0.238	0.048	---	---	26
27	---	---	2.38 B	0.922	0.402	0.324	0.131	0.088	0.148	0.045	---	---	27
28	---	---	3.82 B	0.851	0.493	0.179	0.137	0.08[illegible]	0.075	0.057	---	---	28
29	---		5.58 B	0.802	0.530	0.141	0.102	0.05[illegible]	0.034	0.052	---	---	29
30	---		10.6 B	1.00	0.408	0.138	0.081	0.08[illegible]	0.018	0.047	---	---	30
31	---		8.28 B		0.381		0.088	0.06[illegible]		0.055		---	31
TOTAL	---	---	42.837	50.887	53.272	5.355	13.436	1.276	1.228	1.080	---	---	TOTAL
MEAN	---	---	1.38	1.70	1.72	0.179	0.433	0.041	0.041	0.035	---	---	MEAN
MAX	---	---	10.6	5.58	8.05	0.408	1.25	0.088	0.238	0.057	---	---	MAX
MIN	---	---	0.137	0.429	0.381	0.022	0.088	0.007	0.014	0.012	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.680
MAXIMUM DAILY, 10.6B ON MAR 30
MINIMUM DAILY, 0.004 ON SEP 8
MAXIMUM INSTANTANEOUS,
12.4B AT 00 04 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 58 N
LONG 99 34 00 W
DRAINAGE AREA, 180 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	110
MAR	3 680	SEP	106
APR	4 400	OCT	93.3
MAY	4 800	NOV	---
JUN	463	DEC	---

TOTAL DISCHARGE, 14 800 dam³

NEEPAWA RESERVOIR NEAR NEEPAWA - STATION NO. 05LL010

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	359.047	359.053	359.042	359.399A	359.182	359.035	359.034	359.023	358.851	---	358.838E	359.071	1
2	359.048	359.054	359.044	359.345A	359.189	359.035	359.034	359.023	358.851	---	358.848E	359.089	2
3	359.048	359.052	359.040	359.335	359.185	359.032	359.030	359.017	358.846	---	358.858A	359.087	3
4	359.048	359.051	359.039	359.317	359.148	359.028	359.027	359.017	358.833	---	358.865E	359.085	4
5	359.047E	359.052	359.041	359.305	359.170	359.025	359.038	359.012	358.825	---	358.873E	359.083	5
6	359.047E	359.053	359.041	359.281	359.238	359.018	359.035	359.011	358.817	---	358.883E	359.082	6
7	359.047E	359.051	359.037	359.269	359.269	359.013	359.032	359.012	358.810	---	358.892E	359.081	7
8	359.047E	359.050	359.038	359.258	359.258	359.011	359.031	359.014	358.803	---	358.904E	359.059	8
9	359.047E	359.049	359.036	359.218	359.238	359.010	359.030	359.015	358.798	---	358.918E	359.058	9
10	359.047E	359.050	359.040	359.199	359.222	359.010	359.083	359.015	358.789	---	358.927E	359.058	10
11	359.047E	359.049	359.040	359.184	359.210	359.017	359.073	359.015	358.784	---	358.940E	359.058	11
12	359.047E	359.048	359.038	359.167	359.189	359.011	359.078	359.013	358.775	---	358.952E	359.059	12
13	359.047E	359.050	359.040A	359.145	359.177	359.007	359.080	359.008	358.767	---	358.958E	359.059	13
14	359.047A	359.051	359.046E	358.132	358.167	359.006	359.085	359.002	358.761	---	358.981E	359.058	14
15	359.049	359.050	359.052E	355.120	359.158	359.009	359.083	358.993	358.758	---	358.989E	359.057	15
16	359.047	359.047	359.058E	359.107	359.147	359.009	359.078	358.982	358.752	---	359.090E	359.056	16
17	359.048	359.049	359.062E	359.106	359.141	359.009	359.071	358.975	358.750	---	359.089E	359.056	17
18	359.047	359.051	359.076E	359.123	359.134	359.009	359.072	358.966	358.749	---	359.089A	359.056	18
19	359.044	359.051	359.084E	359.182	358.124	359.005	359.069	358.956	358.750	---	359.090	359.056	19
20	359.045	359.048	359.099E	359.221	359.118	359.003	359.066	358.938	358.750	---	359.092	359.058	20
21	359.049	359.050	359.108E	359.223	359.105	359.004	359.060	358.929	358.750	---	359.095	359.057	21
22	359.048	359.050	359.120E	358.197	359.096	359.000	359.054	358.920	358.750A	---	359.102	359.056	22
23	359.047	359.046	359.132E	359.177	359.080	358.995	359.051	358.913	358.751E	---	359.108	359.053	23
24	359.046	359.046	359.141A	359.186	359.074	358.996	359.042	358.891	358.754E	---	359.115	359.053	24
25	359.049	359.051	359.145	359.164	359.086	358.994	359.036	358.848	358.757E	---	359.119	359.053	25
26	359.053	359.050	359.152	359.143	359.065	359.013	359.031	358.848	358.761E	---	359.105	359.053	26
27	359.052	359.044	359.177A	359.134	359.082	359.021	359.032	358.849	358.763E	---	359.092	359.053	27
28	359.051	359.042	359.226E	359.126	359.057	359.026	359.037	358.850	358.764E	---	359.084	359.053	28
29	359.054		359.326A	359.127	359.052	359.031	359.040	358.850	358.765E	---	359.079	359.053	29
30	359.052		359.416	359.142	359.048	359.034	359.034	358.850	358.767E	---	359.078	359.054	30
31	359.051		359.439		359.042		359.024	358.851		---		359.055	31
MEAN	359.048	359.050	359.109	359.199	359.140	359.014	359.050	358.885	358.780	---	359.052	359.058	MEAN
MAX	359.054	359.054	359.439	359.399	359.269	359.035	359.085	359.023	358.851	---	359.119	359.071	MAX
MIN	359.044	359.042	359.036	359.108	359.042	358.994	359.024	358.848	358.749	---	358.838	359.053	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 359.439 ON MAR 31
MINIMUM DAILY, 358.749 ON SEP 18
MAXIMUM INSTANTANEOUS,
359.441 AT 04 00 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 48 N
LONG 99 26 38 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1980

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS - STATION NO 05UB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3718	3068	2648	2908	527	511	512	529	437	449	269	1958	1
2	3698	3058	2638	3018	540	535	512	521	483	422	242	1948	2
3	3668	3038	2618	3128	553	533	533	536	513	422	232	1938	3
4	3648	3018	2618	3228	557	505	543	542	442	466	184	1928	4
5	3618	2998	2608	3338	523	521	538	547	373	389	201	1928	5
6	3808	2878	2598	3438	510	518	594	559	402	442	2308	1918	6
7	3578	2868	2598	3538	525	516	529	562	432	421	2268	1908	7
8	3558	2948	2588	3648	523	475	513	553	410	382	2248	1908	8
9	3538	2928	2588	3748	510	510	514	503	441	421	2228	1908	9
10	3518	2908	2578	3848	529	485	517	507	464	474	2198	1908	10
11	3498	2888	2568	3958	535	513	517	535	456	362	2188	1908	11
12	3478	2868	2568	4058	536	530	547	557	413	421	2158	1898	12
13	3448	2868	2568	4168	540	503	544A	574	419	455	2148	1898	13
14	3138	2858	2568	4278	536	508	563E	580	437	390	2138	1888	14
15	3418	2838	2568	4398	542	495	573	573	440	440	2118	1888	15
16	3398	2818	2568	4488	538	474	555	559	461	433	2108	1888	16
17	3388	2808	2568	4598	513	491	525	511	475	472	2108	1888	17
18	3358	2778	2568	4718	522	501	574	562	458	490	2078	1888	18
19	3328	2758	2568	4818	543	497	540	579	488	486	2068	1888	19
20	3318	2758	2568	4948	561	519	523	529	471	452	2068	1888	20
21	3288	2738	2568	508	550	526	557	499	466	461	2048	1888	21
22	3278	2728	2558	525	537	523	541	530	476	396	2038	1888	22
23	3248	2718	2558	515	532	485	578	524	469	418	2038	1888	23
24	3228	2698	2558	522	530	519	561	575	427	428	2028	1888	24
25	3208	2688	2558	531	528	551	531	510	327	446	2008	1878	25
26	3188	2678	2568	522	532	546	558	478	396	444	1998	1878	26
27	3168	2668	2568	510	537	546	534	490	443	391	1998	1878	27
28	3148	2658	2618	509	563	516	535	509	455	361	1978	1888	28
29	3128		2668	537	521	509	561	531	464	326	1968	1888	29
30	3108		2728	537	485	530	570	535	450	382	1958	1888	30
31	3088		2818		485		538	488		313		1878	31
TOTAL	10 473	7 953	8 030	13 027	15 445	15 397	16 820	16 591	13 278	13 025	6 358	5 885	TOTAL
MEAN	335	284	259	434	530	513	543	535	443	420	212	189	MEAN
MAX	371	306	281	537	561	551	594	579	513	490	259	195	MAX
MIN	308	265	255	290	485	474	512	478	327	313	184	187	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 393
MAXIMUM DAILY, 594 ON JUL 6
MINIMUM DAILY, 1878 ON DEC 25
MAXIMUM INSTANTANEOUS,
619 AT 13 00 CST ON JUL 6

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 14 39 N
LONG 97 35 27 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	805 000	JUL	1 450 000
FEB	687 000	AUG	1 430 000
MAR	694 000	SEP	1 150 000
APR	1 130 000	OCT	1 130 000
MAY	1 420 000	NOV	549 000
JUN	1 330 000	DEC	507 000

TOTAL DISCHARGE, 12 400 000 dam³

NELSON RIVER (WEST CHANNEL) AT JENPEG - STATION NO. 05UE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	2 330	2 040	2 150	2 110	2 680	3 590	2 580	1 340	1 460	1 680	2 400	2 270	
2	2 330	2 060	2 150	2 100	2 720	3 610	2 620	1 380	1 480	1 600	2 360	2 270	
3	2 340	2 080	2 130	2 090	2 810	3 620	2 430	1 310	1 440	1 560	2 310	2 250	
4	2 340	2 100	2 100	2 090	2 850	3 600	2 290	1 340	1 450	1 560	2 280	2 220	
5	2 240	2 120	2 120	2 120	2 850	3 810	2 260	1 340	1 420	1 570	2 280	2 220	
6	2 250	2 180	2 080	2 110	2 940	3 820	2 280	1 340	1 450	1 580	2 090	2 220	
7	2 260	2 220	2 080	2 110	2 950	3 560	2 260	1 330	1 450	1 700	1 750	2 210	
8	2 250	2 210	2 070	2 140	3 040	3 500	2 250	1 350	1 440	1 710	1 560	2 200	
9	2 290	2 190	2 080	2 210	3 110	3 500	2 030	1 330	1 410	1 710	1 570	2 170	
10	2 320	2 190	2 100	2 200	3 170	3 500	1 810	1 330	1 420	1 710	1 620	2 160	10
11	2 320	2 180	2 110	2 190	3 330	3 580	1 780	1 430	1 430	1 710	1 680	2 170	11
12	2 200	2 200	2 110	2 190	3 450	3 600	1 740	1 380	1 430	1 710	1 830	2 140	12
13	2 240	2 200	2 130	2 180	3 530	3 540	1 710	1 390	1 410	1 890	1 970	2 130	13
14	2 250	2 200	2 140	2 220	3 520	3 510	1 490	1 380	1 420	1 910	2 020	2 130	14
15	2 290	2 190	2 140	2 240	3 890	3 430	1 400	1 460	1 500	1 900	2 090	2 130	15
16	2 270	2 170	2 140	2 250	3 670	3 110	1 420	1 250	1 430	1 890	2 240	2 140	16
17	2 280	2 170	2 140	2 280	3 580	2 710	1 380	1 400	1 440	1 900	2 340	2 150	17
18	2 280	2 140	2 140	2 290	3 570	2 580	1 430	1 510	1 430	1 890	2 410	2 150	18
19	2 290	2 180	2 130	2 420	3 610	2 560	1 430	1 510	1 430	1 900	2 440	2 150	19
20	2 290	2 170	2 140	2 400	3 840	2 550	1 410	1 520	1 420	2 110	2 440	2 180	20
21	2 280	2 180	2 130	2 420	3 650	2 580	1 380	1 500	1 500	2 180	2 370	2 150	21
22	2 240	2 180	2 120	2 440	3 640	2 580	1 280	1 510	1 480	2 180	2 350	2 150	22
23	2 250	2 180	2 090	2 430	3 610	2 570	1 410	1 500	1 580	2 180	2 280	2 150	23
24	2 240	2 180	2 100	2 420	3 570	2 570	1 290	1 500	1 480	2 180	2 300	2 150	24
25	2 110	2 190	2 100	2 390	3 560	2 570	1 300	1 580	1 600	2 180	2 280	2 140	25
26	2 040	2 170	2 100	2 480	3 550	2 530	1 280	1 550	1 580	2 180	2 270	2 130	26
27	2 090	2 180	2 110	2 650	3 560	2 580	1 320	1 550	1 580	2 250	2 270	2 140	27
28	1 890	2 170	2 120	2 690	3 580	2 550	1 330	1 650	1 580	2 330	2 280	2 160	28
29	1 950		2 130	2 730	3 550	2 540	1 320	1 500	1 590	2 290	2 280	2 160	29
30	1 950		2 120	2 690	3 510	2 570	1 330	1 530	1 580	2 300	2 280	2 150	30
31	2 000		2 120		3 570		1 370	1 550		2 310		2 130	31
TOTAL	88 750	80 590	85 590	89 240	104 170	92 480	52 490	44 600	44 440	59 850	84 540	87 250	TOT
MEAN	2 220	2 180	2 120	2 310	3 360	3 080	1 690	1 440	1 480	1 930	2 150	2 170	MEA
MAX	2 340	2 220	2 180	2 730	3 890	3 620	2 580	1 650	1 600	2 330	2 440	2 270	MAX
MIN	1 950	2 040	2 080	2 090	2 680	2 530	1 280	1 310	1 410	1 560	1 560	2 130	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 180
MAXIMUM DAILY, 3 890 ON MAY 15
MINIMUM DAILY, 1 280 ON JUL 22

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 54 29 53 N
LONG 98 02 53 W

REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5 940 000	JUL	4 540 000
FEB	5 230 000	AUG	3 850 000
MAR	5 670 000	SEP	3 840 000
APR	5 980 000	OCT	5 170 000
MAY	9 000 000	NOV	5 580 000
JUN	7 990 000	DEC	5 810 000

TOTAL DISCHARGE, 88 600 000 dam³

NELSON RIVER ABOVE BLADDER RAPIDS - STATION NO. 05UD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3 470B	2 890B	2 800B	2 740B	3 590	4 650	3 710	2 410	2 250	2 180	2 920	2 830B	1
2	3 480B	2 880B	2 900B	2 760B	3 610	4 650	3 660	2 440	2 280	2 170	2 970	2 810B	2
3	3 480B	2 970B	2 890B	2 780B	3 650	4 660	3 660	2 480	2 200	2 180	2 980	2 800B	3
4	3 480B	2 880B	2 890B	2 800B	3 700	4 670	3 800	2 450	2 230	2 150	3 000	2 740B	4
5	3 480B	2 950B	2 880B	2 820B	3 730	4 630	3 610	2 450	2 220	2 170	3 010	2 760B	5
6	3 480B	2 950B	2 880B	2 850B	3 750	4 650	3 500	2 480	2 170	2 180	3 000	2 760B	6
7	3 470B	2 940B	2 870B	2 880B	3 780	4 610	3 490	2 480	2 130	2 210	2 920	2 740B	7
8	3 460B	2 940B	2 860B	2 820B	3 820	4 620	3 540	2 470	2 150	2 210	2 820	2 730B	8
9	3 440B	2 940B	2 850B	2 940	3 880	4 610	3 500	2 450	2 130	2 230	2 730	2 720B	9
10	3 420B	2 940B	2 840B	2 960	3 960	4 670	3 380	2 510	2 130	2 210	2 850	2 710B	10
11	3 380B	2 940B	2 840B	2 970	4 020	4 580	3 270	2 480	2 120	2 300	2 590	2 700B	11
12	3 360B	2 930B	2 830B	2 880	4 120	4 600	3 160	2 530	2 100	2 220	2 560	2 690B	12
13	3 330B	2 930B	2 820B	2 880	4 210	4 620	3 080	2 480	2 080	2 290	2 550B	2 680B	13
14	3 310B	2 930B	2 820B	2 890	4 310	4 550	2 980	2 480	2 050	2 380	2 550B	2 670B	14
15	3 290B	2 920B	2 810B	3 010	4 400	4 590	2 850	2 460	2 090	2 420	2 560B	2 670B	15
16	3 270B	2 920B	2 800B	3 020	4 470	4 560	2 800	2 490	2 070	2 370	2 590B	2 670B	16
17	3 250B	2 920B	2 790B	3 040	4 550	4 480	2 750	2 490	2 080	2 380	2 630B	2 660B	17
18	3 230B	2 920B	2 780B	3 050	4 580	4 330	2 650	2 460	2 070	2 410	2 680B	2 650B	18
19	3 210B	2 920B	2 780B	3 110	4 610	4 250	2 570	2 450	2 080	2 440	2 730B	2 650B	19
20	3 180B	2 920B	2 770B	3 180	4 640	4 150	2 520	2 380	2 070	2 470	2 780B	2 650B	20
21	3 170B	2 920B	2 780B	3 190	4 680	4 070	2 470	2 410	2 110	2 550	2 810B	2 640B	21
22	3 150B	2 910B	2 780B	3 240	4 740	4 020	2 400	2 390	2 100	2 800	2 840B	2 640B	22
23	3 130B	2 900B	2 750B	3 290	4 770	3 980	2 410	2 400	2 130	2 810	2 880B	2 630B	23
24	3 120B	2 900B	2 740B	3 340	4 780	3 850	2 390	2 330	2 140	2 840	2 860B	2 620B	24
25	3 100B	2 900B	2 740B	3 370	4 780	3 840	2 370	2 250	2 220	2 890	2 870B	2 620B	25
26	3 090B	2 900B	2 730B	3 400	4 770	3 820	2 330	2 280	2 240	2 710	2 870B	2 610B	26
27	3 070B	2 900B	2 730B	3 450	4 770	3 770	2 300	2 250	2 140	2 730	2 860B	2 610B	27
28	3 060B	2 900B	2 720B	3 490	4 770	3 770	2 340	2 280	2 100	2 800	2 860B	2 600B	28
29	3 040B		2 720B	3 530	4 820	3 780	2 360	2 280	2 120	2 800	2 850B	2 600B	29
30	3 020B		2 720B	3 580	4 830	3 870	2 380	2 250	2 110	2 810	2 840B	2 580B	30
31	3 010B		2 730B		4 780		2 390	2 290		2 890		2 580B	31
TOTAL	101 430	82 040	86 900	92 830	133 880	129 550	90 430	74 720	64 080	75 340	83 750	83 100	TOTAL
MEAN	3 270	2 930	2 800	3 090	4 320	4 320	2 920	2 410	2 140	2 430	2 780	2 680	MEAN
MAX	3 480	2 970	2 900	3 580	4 830	4 670	3 710	2 530	2 280	2 890	3 010	2 830	MAX
MIN	3 010	2 900	2 720	2 740	3 590	3 670	2 300	2 250	2 050	2 150	2 550	2 580	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3 010
MAXIMUM DAILY, 4 830 ON MAY 30
MINIMUM DAILY, 2 050 ON SEP 14
MAXIMUM INSTANTANEOUS,
4 870 AT 10:36 CST ON MAY 30

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 46 30 N
LONG 97 55 50 W
DRAINAGE AREA, 1 000 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	8 760 000	JUL	7 810 000
FEB	7 090 000	AUG	6 480 000
MAR	7 510 000	SEP	5 540 000
APR	8 000 000	OCT	6 510 000
MAY	11 600 000	NOV	7 240 000
JUN	11 200 000	DEC	7 180 000

TOTAL DISCHARGE, 94 800 000 dam³

NELSON RIVER AT KELSEY GENERATING STATION - STATION NO. 05UE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 600	2 690	2 670	2 400	2 880	3 980	3 630	2 320	1 980	1 970	2 230	2 440	1
2	2 600	2 690	2 670	2 310	2 880	3 970	3 510	2 290	1 980	1 970	2 260	2 440	2
3	2 600	2 680	2 670	2 260	2 950	3 900	3 450	2 270	1 960	1 980	2 260	2 440	3
4	2 610	2 690	2 670	2 270	2 990	3 940	3 450	2 140	1 950	1 980	2 290	2 460	4
5	2 610	2 680	2 670	2 270	3 050	3 930	3 450	2 120	1 940	1 970	2 350	2 470	5
6	2 620	2 670	2 670	2 270	3 080	3 960	3 480	2 130	1 960	1 940	2 340	2 470	6
7	2 620	2 680	2 660	2 200	3 170	3 940	3 470	2 130	2 000	1 980	2 340	2 470	7
8	2 620	2 680	2 660	2 180	3 250	3 920	3 480	2 110	1 940	1 970	2 280	2 470	8
9	2 610	2 660	2 650	2 180	3 280	3 950	3 430	2 010	1 950	1 980	2 080	2 470	9
10	2 620	2 680	2 650	2 130	3 340	3 930	3 370	2 020	1 930	1 980	2 010	2 490	10
11	2 620	2 680	2 640	2 100	3 410	3 980	3 340	2 030	1 910	1 980	2 010	2 500	11
12	2 630	2 680	2 630	2 100	3 430	4 050	3 290	2 060	1 910	1 980	1 990	2 480	12
13	2 640	2 710	2 620	2 110	3 530	4 020	3 270	1 990	1 910	1 980	2 060	2 480	13
14	2 650	2 750	2 620	2 110	3 420	4 020	3 240	1 950	1 940	1 930	2 110	2 460	14
15	2 660	2 740	2 620	2 150	3 470	4 010	3 230	1 890	1 880	1 920	2 100	2 460	15
16	2 660	2 730	2 620	2 230	3 500	3 970	3 150	2 000	1 910	1 920	2 110	2 460	16
17	2 670	2 730	2 620	2 240	3 580	3 980	2 940	1 980	1 880	1 950	2 170	2 440	17
18	2 680	2 730	2 610	2 290	3 670	3 970	2 990	1 950	1 860	1 980	2 250	2 450	18
19	2 680	2 720	2 600	2 330	3 710	3 940	3 020	1 950	1 870	1 980	2 280	2 440	19
20	2 680	2 720	2 590	2 380	3 770	3 940	2 930	1 940	1 880	1 980	2 280	2 440	20
21	2 680	2 710	2 580	2 420	3 720	3 940	2 890	1 940	1 880	1 970	2 310	2 440	21
22	2 670	2 700	2 580	2 460	3 710	3 870	2 800	1 940	1 880	1 950	2 330	2 440	22
23	2 660	2 700	2 580	2 480	3 820	3 780	2 740	1 940	1 880	1 900	2 340	2 440	23
24	2 690	2 690	2 580	2 480	3 820	3 800	2 620	1 970	1 940	1 890	2 350	2 440	24
25	2 690	2 680	2 570	2 510	3 820	3 820	2 620	1 920	1 980	1 940	2 400	2 440	25
26	2 700	2 680	2 500	2 700	3 850	3 730	2 580	1 880	1 970	1 930	2 400	2 440	26
27	2 690	2 680	2 470	2 700	3 670	3 690	2 500	1 930	1 970	2 050	2 340	2 440	27
28	2 690	2 670	2 460	2 750	3 850	3 680	2 410	1 950	1 970	2 030	2 320	2 440	28
29	2 690		2 460	2 790	3 820	3 640	2 400	1 950	1 970	2 140	2 330	2 440	29
30	2 690		2 440	2 830	3 820	3 640	2 320	1 950	1 980	2 180	2 390	2 460	30
31	2 690		2 450		3 880		2 310	1 980		2 150		2 440	31
TOTAL	82 220	75 520	80 470	70 670	108 320	116 860	94 270	62 700	57 920	61 470	67 270	76 040	TOTAL
MEAN	2 650	2 700	2 600	2 280	3 490	3 900	3 040	2 020	1 930	1 980	2 240	2 450	MEAN
MAX	2 700	2 750	2 670	2 830	3 880	4 050	3 630	2 320	2 000	2 180	2 400	2 500	MAX
MIN	2 600	2 670	2 440	2 100	2 880	3 840	2 310	1 880	1 880	1 890	1 990	2 440	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2 610
MAXIMUM DAILY, 4 050 ON JUN 12
MINIMUM DAILY, 1 880 ON SEP 18

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 02 20 N
LONG 96 31 30 W
DRAINAGE AREA, 1 010 000 km²

REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 100 000	JUL	8 140 000
FEB	6 520 000	AUG	5 420 000
MAR	5 950 000	SEP	5 000 000
APR	6 110 000	OCT	5 310 000
MAY	9 380 000	NOV	5 810 000
JUN	10 100 000	DEC	6 570 000

TOTAL DISCHARGE, 82 400 000 dam³

NELSON RIVER AT NORWAY HOUSE - STATION NO. 05UB001

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.450	217.370	217.389	217.405	217.582	217.544	217.547	217.586	217.375	217.403	216.980	217.024	1
2	217.431	217.372	217.387	217.407	217.611	217.601	217.547	217.569	217.481	217.340	216.918	217.025	2
3	217.421	217.376	217.385	217.387	217.643	217.597	217.596	217.603	217.549	217.341	216.894	217.000	3
4	217.422	217.381	217.373	217.411	217.650	217.531	217.620	217.616	217.387	217.441	216.797	217.004	4
5	217.418	217.373	217.373	217.427	217.572	217.568	217.607	217.629	217.226	217.264	216.815	217.010	5
6	217.406	217.364	217.380	217.446	217.542	217.561	217.733	217.654	217.295	217.388	216.935	217.007	6
7	217.414	217.356	217.380	217.462	217.577	217.557	217.586	217.661	217.362	217.339	216.910	217.001	7
8	217.425	217.353	217.376	217.463	217.572	217.472	217.550	217.642	217.312	217.247	217.159	216.991	8
9	217.413	217.352	217.364	217.476	217.542	217.542	217.552	217.528	217.384	217.338	217.346	216.984	9
10	217.409	217.356	217.378	217.488	217.587	217.485	217.559	217.536	217.436	217.480	217.218	216.989	10
11	217.404	217.360	217.375	217.476	217.600	217.550	217.559	217.601	217.418	217.201	217.118	216.998	11
12	217.395	217.366	217.376	217.478	217.603	217.589	217.628	217.673	217.320	217.337	217.074	216.999	12
13	217.388	217.369	217.376	217.478	217.613	217.527	217.622A	217.689	217.332	217.416	217.025	217.007	13
14	217.383	217.367	217.372	217.478	217.607	217.539	217.663E	217.658	217.375	217.266	216.985	217.010	14
15	217.388	217.369	217.374	217.483	217.616	217.508	217.686	217.686	217.381	217.381	216.956	217.00	15
16	217.391	217.359	217.375	217.501	217.607	217.480	217.646	217.655	217.429	217.365	216.942	217.008	16
17	217.389	217.350	217.372	217.525	217.551	217.499	217.577	217.544	217.462	217.454	216.954	217.006	17
18	217.376	217.352	217.375	217.542	217.570	217.523	217.690	217.663	217.422	217.487	216.938	217.010	18
19	217.373	217.356	217.362	217.543	217.619	217.512	217.611	217.701	217.446	217.441	216.950	217.003	19
20	217.367	217.368	217.370	217.508	217.660	217.584	217.572	217.687	217.453	217.408	216.970	217.002	20
21	217.371	217.374	217.378	217.538	217.634	217.584	217.649	217.518	217.441	217.407	216.962	217.002	21
22	217.383	217.378	217.379	217.574	217.605	217.572	217.615	217.589	217.463	217.261	216.967	217.005	22
23	217.354	217.381	217.385	217.554	217.593	217.485	217.697	217.585	217.448	217.331	216.975	216.996	23
24	217.346	217.373	217.361	217.571	217.588	217.563	217.636	217.681	217.352	217.355	216.956	216.996	24
25	217.355	217.374	217.349	217.592	217.585	217.638	217.590	217.542	217.120	217.395	216.966	216.986	25
26	217.351	217.375	217.360	217.571	217.593	217.627	217.653	217.470	217.280	217.392	216.984	216.985	26
27	217.362	217.371	217.379	217.543	217.606	217.626	217.589	217.487	217.388	217.269	216.980	216.993	27
28	217.365	217.383	217.383	217.540	217.618	217.557	217.601	217.540	217.415	217.198	217.007	216.985	28
29	217.363		217.394	217.604	217.569	217.540	217.660	217.591	217.438	217.117	217.008	216.980	29
30	217.368		217.397	217.605	217.485	217.590	217.678	217.599	217.428	217.248	217.018	216.988	30
31	217.388		217.398		217.485		217.607	217.515		217.087		216.976	31
MEAN	217.388	217.367	217.376	217.503	217.580	217.550	217.617	217.601	217.387	217.338	216.989	217.000	MEAN
MAX	217.450	217.383	217.398	217.605	217.650	217.638	217.733	217.701	217.548	217.487	217.345	217.025	MAX
MIN	217.346	217.350	217.349	217.387	217.485	217.480	217.547	217.470	217.120	217.087	216.797	216.976	MIN

WATER LEVELS IN METRES

MEAN, 217.393
MAXIMUM DAILY, 217.733 ON JUL 6
MINIMUM DAILY, 216.797 ON NOV 4
MAXIMUM INSTANTANEOUS,
217.789 AT 13:00 CST ON JUL 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 00 N
LONG 97 48 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1973

NELSON RIVER AT WARREN LANDING - STATION NO. 05UB003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.855	217.781	217.757	217.770	217.886	217.897	217.787	217.781	217.636	217.605	217.380	217.443	1
2	217.818	217.788	217.787	217.783	217.911	217.970	217.823	217.763	217.756	217.538	217.462	217.381	2
3	217.822	217.792	217.807	217.753	217.938	217.873	217.880	217.801	217.727	217.540	217.439	217.403	3
4	217.843	217.797	217.783	217.766	217.909	217.852	217.842	217.786	217.674	217.624	217.441	217.413	4
5	217.819	217.798	217.754	217.776	217.867	217.889	217.890	217.812	217.647	217.513	217.453	217.412	5
6	217.811	217.781	217.775	217.787	217.882	217.898	217.909	217.826	217.634	217.554	217.382	217.420	6
7	217.830	217.783	217.768	217.763	217.913	217.821	217.805	217.813	217.580	217.490	217.405	217.405	7
8	217.851	217.775	217.760	217.786	217.916	217.843	217.812	217.811	217.578	217.484	216.788A	217.404	8
9	217.840	217.786	217.789	217.795	217.921	217.907	217.787	217.782	217.677	217.765	217.124	217.393	9
10	217.864	217.760	217.777	217.789	217.963	217.935	217.803	217.782	217.655	217.588	217.400	217.418	10
11	217.865	217.767	217.762	217.814	217.954	217.912	217.828	217.843	217.607	217.468	217.410	217.417	11
12	217.827	217.771	217.767	217.821	217.970	217.887	217.835	217.894	217.488	217.880	217.364	217.429	12
13	217.825	217.763	217.767	217.809	217.939	217.858	217.808	217.872	217.593	217.855	217.474	217.439	13
14	217.820	217.756	217.776	217.800	217.938	217.872	217.840	217.831	217.596	217.521	217.370	217.431	14
15	217.826	217.724	217.782	217.820	217.940	217.817	217.839	217.856	217.610	217.037	217.428	217.432	15
16	217.824	217.705	217.770	217.844	217.918	217.782	217.796	217.763	217.675	217.501	217.380	217.426	16
17	217.818	217.693	217.771	217.849	217.890	217.861	217.776	217.773	217.625	217.575	217.413	217.425	17
18	217.809	217.693	217.759	217.854	217.916	217.859	217.873	217.900	217.599	217.570	217.422	217.430	18
19	217.800	217.681	217.732	217.854	217.975	217.844	217.751	217.878	217.633	217.588	217.398	217.418	19
20	217.798	217.701	217.745	217.849	217.984	217.865	217.784	217.871	217.631	217.594	217.411	217.422	20
21	217.792	217.704	217.760	217.871	217.962	217.874	217.811	217.806	217.632	217.595	217.413	217.426	21
22	217.762	217.706	217.757	217.865	217.934	217.812	217.806	217.800	217.636	217.489	217.409	217.418	22
23	217.741	217.706	217.738	217.854	217.932	217.778	217.848	217.812	217.637	217.591	217.423	217.416	23
24	217.756	217.715	217.728	217.892	217.923	217.826	217.754	217.821	217.649	217.598	217.449	217.426	24
25	217.786	217.733	217.723	217.882	217.923	217.905	217.804	217.816	217.626	217.643	217.411	217.401	25
26	217.782	217.725	217.736	217.853	217.943	217.861	217.817	217.680	217.631	217.568	217.440	217.411	26
27	217.782	217.721	217.765	217.848	217.939	217.836	217.765	217.729	217.604	217.550	217.412	217.411	27
28	217.748	217.737	217.771	217.865	217.947	217.787	217.808	217.776	217.632	217.334	217.406	217.408	28
29	217.756		217.756	217.918	217.920	217.815	217.833	217.800	217.652	217.432	217.414	217.407	29
30	217.758		217.771	217.887	217.853	217.845	217.844	217.785	217.610	217.544	217.430	217.384	30
31	217.788		217.796		217.883		217.757	217.827		217.301		217.375	31
MEAN	217.804	217.745	217.764	217.827	217.926	217.859	217.817	217.790	217.608	217.572	217.392	217.415	MEAN
MAX	217.864	217.788	217.807	217.916	217.984	217.970	217.909	217.921	217.756	217.755	217.541	217.443	MAX
MIN	217.741	217.681	217.723	217.753	217.853	217.778	217.751	217.816	217.626	217.301	216.788	217.375	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 217.710
MAXIMUM DAILY, 217.984 ON MAY 20
MINIMUM DAILY, 216.788A ON NOV 8
MAXIMUM INSTANTANEOUS,
218.023 AT 16:30 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 51 N
LONG 97 52 13 W

A - MANUAL GAUGE

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1968 ADJ.)

NETLEY CREEK NEAR MATLOCK - STATION NO. 05QJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.38 B	2.86	0.647	0.038	---	---	---	---	---	1
2	---	---	0 B	3.17 B	2.38	0.584	0.032	---	---	---	---	---	2
3	---	---	0 B	3.12	1.84	0.508	0.054	---	---	---	---	---	3
4	---	---	0 B	2.88	1.74	0.477	0.058	---	---	---	---	---	4
5	---	---	0 B	2.70	2.22	0.425	0.030	---	---	---	---	---	5
6	---	---	0 B	2.41	4.04	0.430	0.030	---	---	---	---	---	6
7	---	---	0 B	2.24	3.54	0.570	0.037	---	---	---	---	---	7
8	---	---	0 B	2.08	3.26	0.441	0.044A	---	---	---	---	---	8
9	---	---	0 B	1.72	3.20	0.401	---	---	---	---	---	---	9
10	---	---	0 B	1.41	3.26	0.412	---	---	---	---	---	---	10
11	---	---	0 B	1.20	3.31	0.400	---	---	---	---	---	---	11
12	---	---	0 B	0.931	3.34	0.372	---	---	---	---	---	---	12
13	---	---	0 B	0.730	3.20	0.344	---	---	---	---	---	---	13
14	---	---	0 B	0.615	3.04	0.331	---	---	---	---	---	---	14
15	---	---	0 B	0.547	2.98	0.355	---	---	---	---	---	---	15
16	---	---	0 B	0.530	2.81	0.328	---	---	---	---	---	---	16
17	---	---	0 B	0.493	2.66	0.280	---	---	---	---	---	---	17
18	---	---	0 B	0.543	2.55	0.228	---	---	---	---	---	---	18
19	---	---	0 B	0.880	2.48	0.204	---	---	---	---	---	---	19
20	---	---	0 B	0.834	2.27	0.195	---	---	---	---	---	---	20
21	---	---	0 B	0.737	2.10	0.188	---	---	---	---	---	---	21
22	---	---	0 B	0.761	2.03	0.222	---	---	---	---	---	---	22
23	---	---	0 B	0.794	1.88	0.188	---	---	---	---	---	---	23
24	---	---	0 B	0.839	1.81	0.164	---	---	---	---	---	---	24
25	---	---	0 B	0.785	1.53	0.111	---	---	---	---	---	---	25
26	---	---	0 B	0.830	1.18	0.118	---	---	---	---	---	---	26
27	---	---	0 B	0.847	1.08	0.081	---	---	---	---	---	---	27
28	---	---	0.840B	1.01	0.986	0.066	---	---	---	---	---	---	28
29	---		1.41 B	1.01	0.867	0.058	---	---	---	---	---	---	29
30	---		0.974B	1.26	0.775	0.043	---	---	---	---	---	---	30
31	---		3.37 B		0.712		---	---	---	---	---	---	31
TOTAL	---	---	8.564	41.248	71.324	9.108	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.213	1.37	2.30	0.304	---	---	---	---	---	---	MEAN
MAX	---	---	3.37	3.38	4.04	0.647	---	---	---	---	---	---	MAX
MIN	---	---	0	0.483	0.712	0.043	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO JUN

MEAN, 1.05
MAXIMUM DAILY, 4.04 ON MAY 6
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.788 AT 09:59 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 52 N
LONG 97 09 56 W
DRAINAGE AREA, 245 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	570	SEP	---
APR	3 580	OCT	---
MAY	6 180	NOV	---
JUN	787	DEC	---

TOTAL DISCHARGE, 11 100 dam³

NETLEY CREEK NEAR PETERSFIELD - STATION NO. 05DJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	24.5 B	5.96	1.48	0.197E	0.093	0.080	0.089	---	---	1
2	---	---	0 B	26.0 B	5.81	1.33	0.191E	0.089	0.083	0.060	---	---	2
3	---	---	0 B	22.-	6.63	1.18	0.188E	0.085	0.093	0.052	---	---	3
4	---	---	0 B	17.9	8.77	1.03	0.186E	0.084	0.083	0.064	---	---	4
5	---	---	0 B	13.6	8.88	0.896	0.183E	0.085	0.091	0.061	---	---	5
6	---	---	0 B	10.5	8.90	0.798	0.180E	0.085	0.087	0.060	---	---	6
7	---	---	0 B	8.06	8.86	0.760	0.180E	0.087	0.080	0.061	---	---	7
8	---	---	0 B	6.44A	8.82	0.718	0.177E	0.087	0.070	0.063	---	---	8
9	---	---	0 B	4.51E	8.84	0.674	0.173A	0.086	0.089	0.076	---	---	9
10	---	---	0 B	3.95E	8.44	0.632	0.145	0.084	0.073	0.076	---	---	10
11	---	---	0 B	3.52E	8.28	0.602	0.129	0.091	0.078	0.077	---	---	11
12	---	---	0 B	3.26E	8.11	0.573	0.148	0.085	0.073	0.084	---	---	12
13	---	---	0 B	2.98E	8.02	0.536	0.152	0.083	0.078	0.076	---	---	13
14	---	---	0 B	2.80E	5.78	0.486	0.132	0.083	0.087	0.085	---	---	14
15	---	---	0 B	2.63E	5.40	0.453	0.128	0.088	0.085	0.056	---	---	15
16	---	---	0 B	2.58E	5.05	0.406	0.113	0.087	0.081	0.058	---	---	16
17	---	---	0 B	2.53E	4.79	0.378	0.110	0.088	0.083	0.061	---	---	17
18	---	---	0 B	2.56E	4.51	0.348	0.115	0.089	0.080	0.068	---	---	18
19	---	---	0 B	3.26E	4.26	0.316	0.112	0.088	0.089	0.064	---	---	19
20	---	---	0 B	3.23E	4.02	0.282A	0.100	0.085	0.081	0.055	---	---	20
21	---	---	0 B	3.17E	3.76	0.258E	0.091	0.085	0.078	0.065	---	---	21
22	---	---	0 B	3.19E	3.54	0.240E	0.092	0.081	0.073	0.065	---	---	22
23	---	---	0 B	3.22E	3.31	0.223E	0.097	0.075	0.072	0.067	---	---	23
24	---	---	0 B	3.25E	3.07	0.208E	0.102	0.079	0.075	0.059	---	---	24
25	---	---	0 B	3.30?	2.84	0.240E	0.091	0.077	0.074	0.066	---	---	25
26	---	---	0 B	3.23E	2.63	0.231E	0.089	0.078	0.078	0.060	---	---	26
27	---	---	0.0148 B	3.26E	2.41	0.225E	0.089	0.078	0.079	0.062A	---	---	27
28	---	---	1.60 B	3.30E	2.21	0.217E	0.088	0.071	0.081	0.063E	---	---	28
29	---	---	10.2 B	3.31E	2.01	0.211E	0.095	0.073	0.077	0.061E	---	---	29
30	---	---	26.5 B	3.62E	1.83	0.203E	0.092	0.072	0.085	0.060E	---	---	30
31	---	---	33.6 B		1.85		0.088	0.079		0.058E		---	31
TOTAL	---	--	71.814	203.66	148.88	15.130	4.057	2.575	2.367	2.034	---	---	TOTAL
MEAN	---	---	2.32	6.79	4.81	0.538	0.131	0.083	0.080	0.065	---	---	MEAN
MAX	---	---	33.6	26.5	8.90	1.48	0.197	0.093	0.093	0.084	---	---	MAX
MIN	---	---	0	2.53	1.85	0.203	0.088	0.071	0.089	0.058	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.84
MAXIMUM DAILY, 33.60 ON MAR 31
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
37.58 AT 00:49 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 38 N
LONG 97 02 39 W
DRAINAGE AREA, 599 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	351
FEB	---	AUG	223
MAR	6 200	SEP	207
APR	17 600	OCT	176
MAY	12 900	NOV	---
JUN	1 309	DEC	---

TOTAL DISCHARGE, 39 000 dam³

NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.274	256.218	256.148	256.093	256.154	256.185	256.212	---	256.380	256.428	256.453	256.455	1
2	256.273	256.216	256.145	256.094	256.167	256.194	256.191	---	256.359	256.441	256.455	256.462	2
3	256.275	256.215	256.136	256.092	256.158	256.200	256.175	---	256.397	256.357	256.455	256.459	3
4	256.269	256.212	256.134	256.091	256.162	256.193	256.183	---	256.453	256.436	256.460	256.451	4
5	256.267	256.209	256.134	256.092	256.166	256.148	256.280	---	256.409	256.403	256.486	256.450	5
6	256.260	256.207	256.128	256.089	256.168	256.174	256.312	---	256.385	256.418	256.485	256.444	6
7	256.259	256.202	256.121	256.089	256.167	256.249	256.255	---	256.396	256.467	256.467	256.442	7
8	256.261	256.200	256.122	256.092	256.168	256.113	256.222	---	256.371	256.447	256.470	256.447	8
9	256.263	256.183	256.125	256.092	256.167	256.151	256.223	---	256.340	256.342	256.489	256.442	9
10	256.260	256.182	256.120	256.097	256.165	256.188	256.212	---	256.378	256.514	256.488	256.440	10
11	256.263	256.181	256.119	256.101	256.178	256.073	256.200	---	256.380	256.448	256.488	256.437	11
12	256.258	256.183	256.118	256.107	256.172	256.316	256.197	---	256.422	256.384	256.469	256.431	12
13	256.257	256.181	256.118	256.105	256.178	256.244	256.222	---	256.372	256.441	256.468	256.426	13
14	256.257	256.180	256.113	256.106	256.185	256.184	256.227	---	256.377	256.424	256.472	256.429	14
15	256.250	256.178	256.113	256.102	256.185	256.218	256.238	---	256.366	256.420	256.470	256.428	15
16	256.249	256.176	256.112	256.102	256.208	256.178	---	---	256.358	256.417	256.474	256.426	16
17	256.247	256.176	256.107	256.104	256.206	256.162	---	---	256.382	256.421	256.470	256.424	17
18	256.244	256.168	256.107	256.103	256.198	256.174	---	---	256.388	256.437	256.468	256.425	18
19	256.243	256.166	256.101	256.105	256.189	256.153	---	---	256.375	256.444	256.473	256.420	19
20	256.245	256.161	256.099	256.104	256.187	256.184	---	---	256.386	256.443	256.469	256.417	20
21	256.240	256.162	256.103	256.098	256.192	256.188	---	---	256.385	256.445	256.474	256.416	21
22	256.235	256.155	256.104	256.108	256.183	256.230	---	256.481A	256.401	256.452	256.474	256.415	22
23	256.233	256.156	256.099	256.117	256.197	256.189	---	256.456	256.398	256.437	256.467	256.411	23
24	256.236	256.155	256.102	256.128	256.211	256.171	---	256.440	256.388	256.443	256.472	256.408	24
25	256.232	256.154	256.101	256.122	256.207	256.222	---	256.500	256.378	256.453	256.474	256.403	25
26	256.220	256.153	256.095	256.126	256.189	256.229	---	256.434	256.337	256.483	256.469	256.403	26
27	256.225	256.152	256.096	256.128	256.179	256.239	---	256.408	256.386	256.441	256.468	256.402	27
28	256.225	256.148	256.096	256.143	256.185	256.226	256.287A	256.407	256.394	256.500	256.462	256.400	28
29	256.221		256.094	256.150	256.180	256.183	---	256.417	256.412	256.448	256.457	256.396	29
30	256.217		256.082	256.153	256.201	256.187	---	256.424	256.419	256.424	256.456	256.397	30
31	256.217		256.084		256.178		---	256.451		256.503		256.396	31
MEAN	256.248	256.181	256.113	256.109	256.182	256.150	---	---	256.387	256.437	256.467	256.426	MEAN
MAX	256.275	256.218	256.148	256.153	256.211	256.316	---	---	256.483	256.514	256.474	256.462	MAX
MIN	256.217	256.148	256.092	256.089	256.154	256.073	---	---	256.337	256.342	256.453	256.396	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.514 ON OCT 10
MINIMUM DAILY, 256.073 ON JUN 11
MAXIMUM INSTANTANEOUS,
256.545 AT 01:44 CST ON OCT 31

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

REGULATED SINCE 1984

NORTH SEAL RIVER BELOW STONY LAKE - STATION NO. 06SB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	75.88	58.78	46.78	36.88	27.88	598	510	273E	173E	137	106 B	76.88	1
2	75.18	58.38	46.48	36.68	27.38	540	495	271E	170E	128	102 B	76.58	2
3	74.28	58.08	45.88	36.48	27.08	566	477	267E	167E	123	101 B	76.08	3
4	73.78	57.38	45.68	36.28	27.08	588	462	260E	165E	121	99.38	75.18	4
5	73.38	56.98	45.38	36.08	27.08	624	450	256E	165E	121	98.18	74.78	5
6	72.68	56.68	45.08	34.68	27.08	653	436	248E	164E	123	96.48	74.28	6
7	72.38	56.08	44.48	34.38	27.08	686	427	244E	163E	122	95.68	73.78	7
8	71.68	55.78	44.18	34.28	27.68	720	446	247E	160E	119	94.38	73.38	8
9	70.78	55.28	43.68	33.78	27.18	740	437	247E	158E	118	93.38	72.88	9
10	70.38	54.88	43.38	33.58	26.68	760	437	248E	154A	117	92.28	72.48	10
11	69.88	54.68	42.68	33.28	28.18	787	418	241E	153	118	91.28	72.08	11
12	69.08	54.08	42.38	32.88	29.88	773	408	239E	151	116	90.38	71.78	12
13	68.28	53.78	42.08	32.68	30.88	776	402	236E	150	113	89.38	71.48	13
14	67.88	53.38	41.88	32.18	32.28	776	383	228E	149	113	88.48	71.18	14
15	67.48	53.08	41.58	31.88	36.38	768	377	220E	147	112	87.48	70.78	15
16	67.08	52.48	41.18	31.88	46.88	780	370	218E	145	112	87.08	70.38	16
17	66.88	52.08	40.88	31.18	55.58	782	364	217E	144	112	86.08	70.08	17
18	65.78	51.78	40.48	30.88	70.38	740	349A	211E	143	111	85.88	69.88	18
19	65.38	51.08	40.28	30.48	87.48	730	344A	204E	142	112	84.58	69.58	19
20	64.98	50.78	39.98	30.48	122	718	341E	202E	139	112	83.88	69.08	20
21	64.18	50.48	39.78	30.28	140	688	339E	202E	138	113	83.18	68.88	21
22	63.48	49.88	39.28	30.08	158	655	334E	202E	137	112	82.48	68.48	22
23	63.08	49.58	38.98	29.88	174	649	327E	201E	136	111	81.88	68.28	23
24	62.68	49.08	38.48	29.88	200	633	322E	200E	135	111	81.18	68.08	24
25	62.38	48.48	38.18	29.38	227	619	317E	198E	132	107	80.28	67.88	25
26	61.98	48.18	37.92	28.98	254	604	308E	191E	130	109	79.78	67.38	26
27	61.18	47.88	37.48	28.78	303	573	300E	188E	130	1090	79.38	67.08	27
28	60.48	47.58	37.18	28.58	346	557	284E	184E	130	1098	78.88	66.88	28
29	60.08		36.98	28.18	350	543	269E	181E	129	1088	77.88	66.28	29
30	59.78		36.78	27.68	432	525	264E	178E	129	1078	77.48	66.18	30
31	59.38		36.38		474		278E	176E		1068		65.88	31
TOTAL	2 078.1	1 484.5	1 378.3	955.0	3 517.4	20 005	11 787	6 874	4 427	3 543	2 650.7	2 181.6	TOTAL
MEAN	67.1	53.0	41.3	31.8	126	667	380	222	148	114	85.4	70.7	MEAN
MAX	75.8	58.7	46.7	36.8	474	776	510	273	173	137	104	76.9	MAX
MIN	59.3	47.5	36.3	27.6	27.0	508	276	176	129	106	77.4	65.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 188
MAXIMUM DAILY, 776 ON JUN 13
MINIMUM DAILY, 27.00 ON MAY 3
MAXIMUM INSTANTANEOUS,
785 ON JUN 13

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 50 40 N
LONG 98 17 20 W
DRAINAGE AREA, 18 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	180 000	JUL	1 020 000
FEB	128 000	AUG	594 000
MAR	111 000	SEP	382 000
APR	82 500	OCT	306 000
MAY	338 000	NOV	329 000
JUN	1 730 000	DEC	189 000

TOTAL DISCHARGE, 5 290 000 dam³

NORTH SWAN LAKE NEAR INWOOD - STATION NO. 05LN004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.776	28.808	---	---	29.091	29.085	29.012	29.022	28.920	28.893	28.882	28.872	1
2	28.776	28.811	---	28.810A	29.045	28.997	28.998	29.023	28.906	28.916	28.870	28.874	2
3	28.781	28.813A	---	---	28.996	29.063	28.982	29.007	28.906	28.901	28.886	28.877	3
4	28.779	---	---	28.808A	29.061	28.978	28.989	29.001	28.948	28.890	28.883	28.876	4
5	28.782	---	---	---	29.072	29.043	28.995	28.996	28.946	28.910	28.883	28.873	5
6	28.774	---	---	---	29.087	29.030	29.009	28.982	28.912	28.878	28.881	28.873	6
7	28.772	---	---	---	29.011	29.134	29.007	29.006	28.914	28.930	28.867	28.876	7
8	28.772	---	---	---	29.011	29.089	28.999	28.989	28.896	28.917	28.875	28.878	8
9	28.776	---	---	28.920A	28.980	29.048	28.993	29.018	28.887	28.936	28.878	28.880	9
10	28.777	---	---	28.923	28.985	29.089	28.975	28.983	28.893	28.872	28.873	28.881	10
11	28.778	---	---	28.926	28.992	29.051	29.014	28.980	28.893	28.913	28.877	28.871	11
12	28.778	---	---	28.932	29.012	29.056	29.026	28.981	28.929	28.877	28.872	28.878	12
13	28.780	---	---	28.927	29.023	29.035	29.044	28.949	28.892	28.886	28.868	28.877A	13
14	28.777	---	---	28.937	29.016	29.023	29.039	28.985	28.890	28.893	28.872	---	14
15	28.771	---	---	28.939	29.016	29.010	29.043	28.972	28.882	28.882	28.878	---	15
16	28.775	---	---	28.934	29.051	29.005	29.058	28.975	28.883	28.885	28.881	---	16
17	28.772	---	---	28.926	29.075	29.004	29.081	28.956	28.877	28.864	28.868	---	17
18	28.771	---	---	28.929	29.080	29.003	29.050	28.930	28.867	28.835	28.871	---	18
19	28.787	28.805A	---	28.952	29.041	28.988	29.067	28.922	28.877	28.854	28.880	---	19
20	28.772	---	---	28.967	29.042	28.995	29.053	28.985	28.871	28.855	28.877	---	20
21	28.766	---	---	28.958	29.047	28.994	29.067	28.928	28.876	28.853	28.870	---	21
22	28.767	---	---	28.911	29.049	28.990	29.035	28.928	28.874	28.862	28.868	---	22
23	28.771	---	---	28.897	29.041	28.986	29.003	28.928	28.878	28.861	28.867	---	23
24	28.780	---	---	28.887	29.043	28.944	29.060	28.888	28.878	28.835	28.874	---	24
25	28.776	---	---	28.871	29.048	28.988	29.017	28.957	28.838	28.828	28.868	---	25
26	28.771	---	---	29.007	29.053	29.008	29.018	28.936	28.880	28.838	28.872	---	26
27	28.769	---	---	29.007	29.059	29.028	29.036	28.931	28.892	28.838	28.876	---	27
28	28.772	---	---	29.018	29.071	29.038	29.033	28.912	28.882	28.916	28.871	---	28
29	28.775		---	28.981	29.056	29.010	29.017	28.900	28.891	28.873	28.871	---	29
30	28.784		---	29.036	29.067	28.995	29.033	28.878	28.895	28.828	28.870	---	30
31	28.782		---		29.115		29.036	28.920		28.868		---	31
MEAN	28.775	---	---	---	29.045	29.027	29.022	28.959	28.883	28.878	28.872	---	MEAN
MAX	28.782	---	---	---	29.115	29.124	29.067	29.022	28.946	28.868	28.882	---	MAX
MIN	28.766	---	---	---	28.958	28.944	28.992	28.878	28.838	28.828	28.861	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 25 00 N
LONG 97 27 30 W

MAXIMUM DAILY, 29.124 ON JUN 7
MINIMUM DAILY, 28.766 ON JAN 31
MAXIMUM INSTANTANEOUS,
29.282 AT 11:44 CST ON JUN 11

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

OAK CREEK NEAR STOCKTON - STATION NO. 05NG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0018	0.0018	0.0018	1.09	2.83	0.846	0.484	0.383	0.128	0.009	0.0068	0.0078	1
2	0.0018	0.0018	0.0018	1.15	3.69	0.830	0.454	0.360	0.115	0.008	0.0048	0.0068	2
3	0.0018	0.0018	0.0018	1.44	3.86	0.694	0.437	0.345	0.110	0.008	0.0048	0.0078	3
4	0.0018	0.0018	0.0018	1.92	3.95	0.565	0.456	0.353	0.080	0.007	0.0038	0.0068	4
5	0.0018	0.0018	0.0018	1.83	4.02	0.534	0.823	0.361	0.087	0.007	0.0048	0.0068	5
6	0.0018	0.0018	0.0018	1.84	12.5	0.539	0.821	0.352	0.044	0.006	0.0038	0.0068	6
7	0.0018	0.0018	0.0018	1.84	10.0	0.612	0.528	0.325	0.027	0.004	0.0048	0.0068	7
8	0.0018	0.0018	0.0018	1.95	8.93	0.607	0.471	0.286	0.016	0.007	0.0058	0.0088	8
9	0.0018	0.0018	0.0018	1.72	8.61	0.631	0.440	0.267	0.011	0.034	0.0048	0.0068	9
10	0.0018	0.0018	0.0018	1.78	7.62	0.833	0.458	0.284	0.030	0.039	0.0048	0.0068	10
11	0.0018	0.0018	0.0018	1.78	8.17	0.823	0.630	0.280	0.015	0.010	0.0048	0.0058	11
12	0.0018	0.0018	0.0018	1.78	8.18	0.903	0.536	0.284	0.015	0.009	0.0048	0.0048	12
13	0.0018	0.0018	0.0018	1.72	3.89	0.465	0.535	0.236	0.008	0.007	0.0048	0.0048	13
14	0.0018	0.0018	0.0018	1.63	3.70	0.446	0.495	0.213	0.047	0.007	0.0048	0.0048	14
15	0.0018	0.0018	0.0018	1.28	3.42	0.504	0.486	0.204	0.020	0.009	0.0038	0.0048	15
16	0.0018	0.0018	0.4088	1.67	3.07	0.538	0.433	0.194	0.011	0.004	0.0038	0.0048	16
17	0.0018	0.0018	1.84 E	1.89	2.85	0.530	0.440	0.186	0.007	0.004	0.0048	0.0048	17
18	0.0018	0.0018	2.78 E	2.80	2.78	0.498	0.454	0.182	0.003	0.009	0.0038	0.0048	18
19	0.0018	0.0018	3.71 E	7.67	2.75	0.479	0.432	0.175	0.004	0.001	0.0038	0.0048	19
20	0.0018	0.0018	2.16 E	8.18	2.88	0.613	0.386	0.182	0.015	0.001	0.0048	0.0048	20
21	0.0018	0.0018	1.26 E	3.88	2.26	0.530	0.377	0.174	0.010	0.001	0.0048	0.0048	21
22	0.0018	0.0018	0.82 E	3.08	3.08	0.507	0.368	0.183	0.006	0.001	0.0048	0.0048	22
23	0.0018	0.0018	7.24 E	3.78	1.91	0.474	0.328	0.182	0.008	0.001	0.0048	0.0048	23
24	0.0018	0.0018	4.57 E	3.84	1.72	0.479	0.351	0.169	0.005	0.001	0.0048	0.0048	24
25	0.0018	0.0018	2.26 E	2.52	1.63	0.486	0.350	0.190	0.007	0.001	0.0058	0.0048	25
26	0.0018	0.0018	1.48 E	2.73	1.36	0.483	0.388	0.148	0.009	0.001	0.0068	0.0038	26
27	0.0018	0.0018	2.85 E	3.68	1.19	0.487	0.380	0.133	0.010	0.001	0.0088	0.0038	27
28	0.0018	0.0018	3.47 E	3.48	1.01	0.483	0.385	0.135	0.009	0.002	0.0068	0.0038	28
29	0.0018		2.15	3.32	0.884	0.493	0.432	0.136	0.010	0.002	0.0068	0.0038	29
30	0.0018		1.44	2.48	0.789	0.459	0.422	0.122	0.010	0.003	0.0078	0.0038	30
31	0.0018		1.26		0.898		0.370	0.104		0.005		0.0038	31
TOTAL	0.031	0.026	47.063	71.93	111.451	19.822	13.844	8.821	0.858	0.207	0.133	0.138	TOTAL
MEAN	0.001	0.001	1.52	2.37	3.60	0.617	0.447	0.223	0.029	0.007	0.004	0.004	MEAN
MAX	0.001	0.001	8.02	7.67	12.5	0.948	0.823	0.383	0.128	0.039	0.008	0.007	MAX
MIN	0.001	0.001	0.001	1.09	0.898	0.484	0.328	0.104	0.003	0.001	0.003	0.003	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.733
MAXIMUM DAILY, 12.5 ON MAY 6
MINIMUM DAILY, 0.0018 ON JAN 1
MAXIMUM INSTANTANEOUS,
13.0 AT 23:45 CST ON MAY 5

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 44 N
LONG 99 30 49 W
DRAINAGE AREA, 1 060 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2.68	JUL	1 200
FEB	2.42	AUG	588
MAR	4 070	SEP	74.0
APR	6 180	OCT	17.9
MAY	9 630	NOV	11.5
JUN	1 340	DEC	11.9

TOTAL DISCHARGE, 23 100 dam³

OAK LAKE AT OAK LAKE RESORT - STATION NO. 05NG004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	429.853	429.886	429.821	429.784	429.788	429.743	429.588	429.582	429.548	---	1
2	---	---	429.856	429.893	429.814	429.783	429.782	429.749	429.600	429.558	429.548	---	2
3	---	---	429.855	429.894	429.821	429.785	429.784	429.751	429.606	429.570	429.548	---	3
4	---	---	429.850	429.883	429.810	429.768	429.782	429.708	429.588	429.571	429.558	---	4
5	---	---	429.854	429.878	429.889	429.782	429.809	429.709	429.572	429.584	429.560	---	5
6	---	---	429.858	429.886	429.851	429.783	429.788	429.723	429.574	429.587	429.555A	---	6
7	---	---	429.859	429.896	429.859	429.756	429.778	429.722	429.587	429.558	---	---	7
8	---	---	429.873	429.896	429.816	429.744	429.777	429.709	429.577	429.557	---	---	8
9	---	---	429.877	429.834	429.835	429.747	429.785	429.707	429.584	429.566	---	---	9
10	---	---	429.878	429.824	429.896	429.765	429.781	429.702	429.587	429.585	---	---	10
11	---	---	429.882	429.815	429.889	429.735	429.770	429.697	429.588	429.569	---	---	11
12	---	---	429.886	429.801	429.906	429.704	429.782	429.686	429.589	429.554	---	---	12
13	---	---	429.893	429.781	429.887	429.761	429.769	429.687	429.580	429.559	---	---	13
14	---	---	429.896	429.785	429.883	429.719	429.771	429.688	429.545	429.551	---	---	14
15	---	---	429.900	429.783	429.893	429.737	429.770	429.687	429.541	429.563	---	---	15
16	---	---	429.906	429.778	429.877	429.761	429.783	429.676	429.542	429.556	---	---	16
17	---	---	429.731	429.775	429.884	429.767	429.[illegible]	429.673	429.559	429.558	---	---	17
18	---	429.8474	429.730	429.788	429.890	429.750	429.764	429.675	429.559	429.580	---	---	18
19	---	429.850	429.737	429.789	429.884	429.753	429.773	429.681	429.551	429.515	---	---	19
20	---	429.849	429.745	429.782	429.880	429.761	429.769	429.671	429.551	429.562	---	---	20
21	---	429.848	429.765	429.781	429.847	429.780	429.772	429.689	429.586	429.583	---	---	21
22	---	429.848	429.771	429.780	429.837	429.771	429.787	429.684	429.573	429.557	---	---	22
23	---	429.854	429.777	429.795	429.835	429.780	429.775	429.682	429.585	429.561	---	---	23
24	---	429.857	429.800	429.786	429.840	429.783	429.765	429.680	429.547	429.582	---	---	24
25	---	429.858	429.834	429.805	429.838	429.789	429.763	429.630	429.580	429.588	---	---	25
26	---	429.858	429.836	429.834	429.831	429.789	429.785	429.638	429.571	429.582	---	---	26
27	---	429.852	429.859	429.831	429.813	429.776	429.780	429.636	429.573	429.554	---	---	27
28	---	429.850	429.878	429.833	429.795	429.772	429.776	429.630	429.580	429.551	---	---	28
29	---		429.888	429.827	429.784	429.784	429.770	429.638	429.580	429.542	---	---	29
30	---		429.892	429.825	429.784	429.759	429.782	429.625	429.574	429.529	---	---	30
31	---		429.888		429.770		429.783	429.607		429.548		---	31
MEAN	---	---	429.726	429.822	429.844	429.764	429.770	429.679	429.584	429.569	---	---	MEAN
MAX	---	---	429.906	429.896	429.906	429.806	429.809	429.751	429.606	429.584	---	---	MAX
MIN	---	---	429.850	429.778	429.770	429.719	429.763	429.607	429.541	429.539	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 429.906 ON MAY 12
MINIMUM DAILY, 429.539 ON OCT 30
MAXIMUM INSTANTANEOUS,
429.983 AT 16:03 CST ON MAY 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 100 02 30 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
4 780 km²

OAK RIVER AT SHOAL LAKE - STATION NO. 05MG008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	08	08	0 B	3.44 B	0.761	0.214	0.035	0.087	0.002	0	0	08	1
2	08	08	0 B	4.54 B	0.719	0.215	0.023	0.090	0.001	0	0	08	2
3	08	08	0 B	4.48	0.697	0.216	0.011	0.090	0.001	0	0	08	3
4	08	08	0 B	4.47	0.662	0.202	0.001	0.088	0	0.001	0	08	4
5	08	08	0 B	3.47	0.819	0.195	0.008	0.113	0	0	0	08	5
6	08	08	0 B	3.46	1.93	0.208	0.008	0.301	0	0	0	08	6
7	08	08	0 B	4.00	1.83	0.199	0.018	0.307	0	0	08	08	7
8	08	08	0 B	3.83	1.53	0.188	0.037	0.251	0	0	08	08	8
9	08	08	0 B	3.48	1.87	0.185	0.048	0.212	0	0	08	08	9
10	08	08	0 B	3.08	1.80	0.189	0.055	0.182	0	0	08	08	10
11	08	08	0 B	2.72	1.84	0.140	0.048	0.151	0	0	08	08	11
12	08	08	0 B	1.93 B	1.46	0.090	0.038	0.137	0	0	08	08	12
13	08	08	0 B	1.84 B	1.31	0.092	0.036	0.176	0	0	08	08	13
14	08	08	0 B	1.75 B	1.18	0.085	0.041	0.144	0	0	08	08	14
15	08	08	0.0148	1.46 B	1.09	0.067	0.031	0.038	0	0	08	08	15
16	08	08	0.0228	1.46	0.992	0.070	0.026	0.014	0	0	08	08	16
17	08	08	0.0258	1.51	0.928	0.062	0.028	0.011	0	0	08	08	17
18	08	08	0.0278	1.70	0.867	0.085	0.026	0.018	0	0	08	08	18
19	08	08	0.0298	2.06	0.779	0.038	0.018	0.022	0	0	08	08	19
20	08	08	0.0308	2.03	0.702	0.070	0.010	0.021	0	0	08	08	20
21	08	08	0.0328	1.82	0.631	0.084	0.007	0.020	0	0	08	08	21
22	08	08	0.0358	1.76	0.548	0.084	0.008	0.020	0	0	08	08	22
23	08	08	0.0368	1.84	0.475	0.068	0.008	0.018	0	0	08	08	23
24	08	08	0.0388	1.48	0.428	0.085	0.005	0.015	0	0	08	08	24
25	08	08	0.0388	1.30	0.388	0.063	0.008	0.012	0	0	08	08	25
26	08	08	0.042	1.11	0.355	0.068	0.030	0.008	0	0	08	08	26
27	08	08	0.071	0.990	0.322	0.078	0.037	0.008	0.001	0	08	08	27
28	08	08	0.228	0.807	0.294	0.084	0.058	0.005	0.001	0	08	08	28
29	08		0.431	0.840	0.267	0.060	0.070	0.005	0.001	0	08	08	29
30	08		0.545	0.802	0.243	0.048	0.074	0.004	0	0	08	08	30
31	08		1.53		0.228		0.080	0.003		0		08	31
TOTAL	0	0	3.175	69.489	27.419	3.488	0.824	2.580	0.007	0.002	0	0	TOTAL
MEAN	0	0	0.102	2.32	0.884	0.116	0.030	0.082	0	0	0	0	MEAN
MAX	0	0	1.53	4.54	1.93	0.216	0.080	0.307	0.002	0.001	0	0	MAX
MIN	0	0	0	0.802	0.228	0.039	0.001	0.003	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.293
MAXIMUM DAILY, 4.548 ON APR 2
MINIMUM DAILY, 08 ON JAN 1
MAXIMUM INSTANTANEOUS,
5.39 AT 19:07 CST ON APR 3

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 33 N
LONG 100 35 15 W
DRAINAGE AREA, 372 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	79.8
FEB	0	AUG	220
MAR	274	SEP	0.80
APR	6 000	OCT	0.17
MAY	2 370	NOV	0
JUN	300	DEC	0

TOTAL DISCHARGE, 9 240 dam³

OAK RIVER NEAR RIVERS - STATION NO. 05MG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	08	08	0 B	11.7	0.543	0.586	0.026	0	0	0	0 B	08	1
2	08	08	0 B	10.8	0.582	0.534	0.021	0	0	0	0.0018	08	2
3	08	08	0 B	9.39	0.537	0.489	0.018	0	0	0	0 B	08	3
4	08	08	0 B	7.03	0.588	0.418	0.011	0	0	0	0 B	08	4
5	08	08	0 B	5.85	1.36	0.385	1.04	0	0	0	0 B	08	5
6	08	08	0 B	5.60	3.84	0.328	0.494	0.002	0	0	0 B	08	6
7	08	08	0 B	4.84	5.08	0.286	0.235	0.001	0	0	0 B	08	7
8	08	08	0 B	4.23	5.22	0.255	0.111	0.001	0	0	0 B	08	8
9	08	08	0 B	3.81	4.93	0.293	0.048	0	0	0	0 B	08	9
10	08	08	0 B	3.70	4.70	0.266	0.020	0.001	0	0	0 B	08	10
11	08	08	0 B	3.08	4.36	0.272	0.029	0.002	0	0	0 B	08	11
12	08	08	0 B	2.46	4.15	0.202	0.018	0.001	0	0	0 B	08	12
13	08	08	0 B	1.44	3.74	0.157	0.013	0.001	0	0	0 B	08	13
14	08	08	0 B	0.980	3.30	0.148	0.012	0.001	0	0	0 B	08	14
15	08	08	0 B	1.08	2.86	0.120	0.010	0.001	0	0	0 B	08	15
16	08	08	0 B	1.28	2.76	0.165	0.046	0.001	0	0	0 B	08	16
17	08	08	0 B	1.30	2.54	0.139	0.028	0.001	0	0	0 B	08	17
18	08	08	0 B	1.70	2.29	0.107	0.031	0.001	0	0	0 B	08	18
19	08	08	0 B	2.15	2.00	0.115	0.018	0.001	0	0	0 B	08	19
20	08	08	0 B	2.34	1.70	0.082	0.011	0	0	0	0 B	08	20
21	08	08	0 B	2.18	1.48	0.124	0.010	0	0	0	0 B	08	21
22	08	08	0.2348	1.78	1.30	0.071	0.009	0	0	0	0 B	08	22
23	08	08	0.4078	1.47	1.13	0.086	0.007	0.001	0	0	0 B	08	23
24	08	08	0.5888	1.38	1.06	0.031	0.004	0.001	0	0	0 B	08	24
25	08	08	0.8078	1.15	1.02	0.019	0.003	0.001	0	0	0 B	08	25
26	08	08	0.466	0.983	0.985	0.195	0.002	0.001	0	0	0 B	08	26
27	08	08	0.663	0.841	0.928	0.150	0.001	0	0	0	0 B	08	27
28	08	08	0.86	0.752	0.855	0.163	0.003	0	0	0	0 B	08	28
29	08		3.56	0.843	0.787	0.082	0.002	0	0	0	0 B	08	29
30	08		4.88	0.859	0.712	0.037	0.001	0	0	0	0 B	08	30
31	08		5.58		0.843		0	0		0		08	31
TOTAL	0	0	19.855	97.658	67.841	5.484	2.380	0.019	0	0	0.001	0	TOTAL
MEAN	0	0	0.640	3.25	2.19	0.218	0.074	0.001	0	0	0	0	MEAN
MAX	0	0	5.58	11.7	5.22	0.586	1.04	0.002	0	0	0.001	0	MAX
MIN	0	0	0	0.859	0.537	0.019	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.532
MAXIMUM DAILY, 11.7 ON APR 1
MINIMUM DAILY, 08 ON JAN 1
MAXIMUM INSTANTANEOUS,
14.6 AT 18:42 CST ON APR 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 30 N
LONG 100 23 35 W
DRAINAGE AREA, 1 150 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	197
FEB	0	AUG	1.84
MAR	1 720	SEP	0
APR	8 430	OCT	0
MAY	5 850	NOV	0.09
JUN	580	DEC	0

TOTAL DISCHARGE, 16 800 dam³

OCHRE RIVER AT OCHRE RIVER - STATION NO. 08LJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2010	9.088	7.82	1.50	0.715	0.632	0.118	0.984	---	---	1
2	---	---	0.3898	8.138	8.78	1.55	0.673	0.792	0.116	0.975	---	---	2
3	---	---	0.3628	5.828	10.0	1.78	0.624	0.738	0.122	1.37	---	---	3
4	---	---	0.3858	4.648	17.7	1.44	0.804	0.887	0.120	1.33	---	---	4
5	---	---	0.3188	5.448	28.3	1.31	0.710	0.829	0.128	1.18	---	---	5
6	---	---	0.3348	6.09	108	1.28	0.983	0.885	0.138	1.04	---	---	6
7	---	---	0.3978	9.23	88.7 A	1.22	0.832	0.788	0.129	0.988	---	---	7
8	---	---	0.4128	8.71	39.2	1.12	0.888	0.780	0.120	0.958	---	---	8
9	---	---	0.3878	8.50	28.4	1.08	0.857	0.823	0.114	0.934	---	---	9
10	---	---	0.3848	9.19	25.8	1.31	0.810	0.550	0.114	0.903	---	---	10
11	---	---	0.3728	8.58	18.8	1.39	0.983	0.495	0.116	0.910	---	---	11
12	---	---	0.3638	6.788	14.7	1.17	1.13	0.439	0.132	0.870	---	---	12
13	---	---	0.4178	3.758	11.4	1.09	1.18	0.405	0.204	0.856	---	---	13
14	---	---	0.5358	3.188	9.34	1.03	1.14	0.440	0.218	0.822	---	---	14
15	---	---	0.5148	3.048	8.42	0.884	0.947	0.429	0.182	0.818	---	---	15
16	---	---	0.4718	4.81	7.17	0.863	0.843	0.418	0.175	0.788	---	---	16
17	---	---	0.4618	5.44	8.18	0.883	0.752	0.352	0.195	0.740	---	---	17
18	---	---	0.3378	8.97	5.41	0.855	0.745	0.299	0.222	0.727	---	---	18
19	---	---	0.2118	24.0	4.81	0.826	0.685	0.258	0.234	0.711	---	---	19
20	---	---	0.2988	17.3	4.26	0.849	0.832	0.218	0.215	0.653	---	---	20
21	---	---	0.6738	11.3	3.82	0.847	0.578	0.198	0.226	0.635	---	---	21
22	---	---	2.92 B	8.59	3.38	0.835	0.522	0.183	0.249	0.626	---	---	22
23	---	---	1.26 B	7.81	3.02	0.819	0.487	0.174	0.248	0.610	---	---	23
24	---	---	0.7248	7.49	2.76	0.775	0.428	0.180	0.243	0.574	---	---	24
25	---	---	2.85 B	8.38	2.54	0.719	0.412	0.215	0.361	0.588	---	---	25
26	---	---	4.82 B	5.63	2.32	0.782	0.852	0.256	2.02	0.539	---	---	26
27	---	---	2.90 B	5.53	2.14	1.40	1.65	0.219	1.81	0.547	---	---	27
28	---	---	1.97 B	5.59	1.97	1.08	1.26	0.188	1.44	0.543	---	---	28
29	---		8.43 B	6.47	1.79	0.854	1.05	0.185	1.20	0.530	---	---	29
30	---		7.22 B	7.21	1.66	0.769	0.970	0.148	1.11	0.491	---	---	30
31	---		7.23 B		1.65		0.915	0.130		0.4208		---	31
TOTAL	---	---	56.403	224.65	489.22	32.450	25.275	12.695	12.022	24.568	---	---	TOTAL
MEAN	---	---	1.82	7.82	14.8	1.08	0.815	0.416	0.401	0.792	---	---	MEAN
MAX	---	---	8.97	24.0	108	1.78	1.65	0.832	2.02	1.37	---	---	MAX
MIN	---	---	0.201	3.04	1.65	0.719	0.412	0.130	0.114	0.420	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.60
MAXIMUM DAILY, 108 ON MAY 6
MINIMUM DAILY, 0.114 ON SEP 9
MAXIMUM INSTANTANEOUS,
123 AT 08 15 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 55 N
LONG 99 45 44 W
DRAINAGE AREA, 342 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	2 160
FEB	---	AUG	1 110
MAR	4 870	SEP	1 040
APR	20 300	OCT	2 120
MAY	38 700	NOV	---
JUN	2 600	DEC	---

TOTAL DISCHARGE, 74 100 dam³

ODEI RIVER NEAR THOMPSON - STATION NO. 05TG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.14 B	0.6588	0.4788	0.4608	42.1E	100	56.6	113	58.5	42.3	29.6	19.08	1
2	1.13 B	0.6808	0.4748	0.4608	52.7E	93.2	54.4	109	56.2	42.3	30.5	18.88	2
3	1.10 B	0.6728	0.4728	0.4608	65.2E	87.5	52.9	104	54.1	41.8	31.6	18.88	3
4	1.09 B	0.6408	0.4708	0.4608	81.8E	82.2	56.7	97.5	53.7	42.0	33.0	18.48	4
5	1.08 B	0.6248	0.4688	0.4608	101 E	78.2	61.7	92.1	53.4	41.7	34.1	18.28	5
6	1.05 B	0.6128	0.4688	0.4848	126 E	73.6	83.5	87.3	53.8	42.2	34.2	17.88	6
7	1.03 B	0.5988	0.4648	0.4768	149 E	70.2	112	84.6	54.8	42.3	33.0	17.73	7
8	1.01 B	0.5888	0.4628	0.4848	174 E	66.2	139	81.8	54.7	41.8	32.6	17.58	8
9	1.00 B	0.5808	0.4618	0.4828	196 E	64.3	156	78.8	54.7	41.8	32.0	17.38	9
10	0.9808	0.5808	0.4608	0.5008	213 E	63.5	165	75.1	55.3	42.2	31.2	17.08	10
11	0.9758	0.5728	0.4608	0.5208	235 E	63.0	165	71.4	55.7	41.1	30.0	16.88	11
12	0.9508	0.5588	0.4608	0.5408	254 A	67.6	158	68.4	55.3	40.2	29.4	16.68	12
13	0.9408	0.5488	0.4808	0.5608	272 E	78.4	144	66.0	54.8	39.0	28.7	16.48	13
14	0.9258	0.5408	0.4808	0.5808	287 A	84.9	130	63.3	54.0	39.3	28.0	16.18	14
15	0.9058	0.5328	0.4808	0.5888	298 A	108	117	62.2	53.1	40.3A	27.2	15.98	15
16	0.8928	0.5288	0.4808	0.6128	305	115	108	62.2	51.9	40.5A	26.5	15.78	16
17	0.8808	0.5248	0.4808	0.6528	309	116	101	62.8	51.3	41.0	25.8	15.68	17
18	0.8608	0.5188	0.4808	0.6588	310	113	98.1	64.5	50.3	41.0	24.7	15.48	18
19	0.8448	0.5088	0.4808	0.7008	309	107	98.5	64.7	49.7	40.6	23.7	15.28	19
20	0.8288	0.5008	0.4808	0.7528	305	100	108	64.8	48.9	40.2	22.8	14.98	20
21	0.8208	0.4968	0.4808	0.8288	295	93.7	116	66.3	48.2	40.1	21.88	14.78	21
22	0.8008	0.4848	0.4808	0.8408	281	86.4	121	69.9	47.7	39.8	21.48	14.68	22
23	0.7808	0.4928	0.4808	1.15 B	264	80.6	127	72.8	47.2	39.4	21.08	14.48	23
24	0.7728	0.4888	0.4808	1.80 B	243	74.8	130	75.2	46.4	39.3	20.68	14.18	24
25	0.7488	0.4848	0.4808	2.84 E	220	70.6	135	76.0	45.4	39.0	20.48	14.08	25
26	0.7408	0.4828	0.4808	5.46 E	197	67.3	140	74.5	44.8	38.8	20.28	13.88	26
27	0.7328	0.4808	0.4808	9.88 E	174	64.4	142	72.1	43.6	38.3	20.08	13.68	27
28	0.7208	0.4788	0.4808	15.8 E	153	61.9	139	70.4	42.8	38.4	19.78	13.48	28
29	0.7008		0.4808	24.0 E	135	59.8	132	68.2	42.5	38.9	19.58	13.28	29
30	0.6928		0.4808	31.6 E	120	58.5	124	65.6	42.5	31.3	19.38	12.98	30
31	0.6808		0.4808		109		117	62.1		29.0		12.78	31
TOTAL	27.803	15.418	14.333	104.708	6 273.8	2 459.8	3 586.4	3 247.8	1 525.5	1 234.4	792.7	490.4	TOTAL
MEAN	0.897	0.551	0.462	3.49	202	82.0	116	75.7	50.9	39.8	26.4	15.8	MEAN
MAX	1.14	0.688	0.476	31.6	310	116	165	113	58.5	42.3	34.2	19.0	MAX
MIN	0.680	0.478	0.460	0.460	42.1	56.5	52.9	62.1	42.5	29.0	18.3	12.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 51.7
MAXIMUM DAILY, 310 ON MAY 18
MINIMUM DAILY, 0.4608 ON MAR 10
MAXIMUM INSTANTANEOUS,
311 AT 18:20 CST ON MAY 18

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 59 45 N
LONG 97 21 33 W
DRAINAGE AREA, 6 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 400	JUL	310 000
FEB	1 330	AUG	203 000
MAR	1 240	SEP	132 000
APR	9 050	OCT	107 000
MAY	542 000	NOV	88 500
JUN	213 000	DEC	42 400

TOTAL DISCHARGE, 1 830 000 dam³

OMANDS CREEK NEAR BROOKSIDE CEMETERY - STATION NO. 05MJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.38	4.54	0 A	0	0	0	0	---	---	1
2	---	---	0 B	5.02	3.13	0 A	0	0	0	0	---	---	2
3	---	---	0 B	4.05	1.59	0	0	0	0	0	---	---	3
4	---	---	0 B	2.38	0.888	0	0	0	0	0	---	---	4
5	---	---	0 B	1.57	0.539	0	0	0	0	0	---	---	5
6	---	---	0 B	1.30	0.411	0 A	0	0	0	0	---	---	6
7	---	---	0 B	1.02	0.331	0 A	0	0	0	0	---	---	7
8	---	---	0 B	0.827	0.238	0 E	0	0	0	0	---	---	8
9	---	---	0 B	0.608	0.191	0 E	0	0	0	0	---	---	9
10	---	---	0 B	0.488	0.093	0 E	0.002	0	0	0	---	---	10
11	---	---	0 B	0.380A	0.105	0 E	0.005	0	0	0	---	---	11
12	---	---	0 B	0.288E	0.289	0 E	0	0	0	0	---	---	12
13	---	---	0 B	0.218E	0.113	0 E	0	0	0	0	---	---	13
14	---	---	0 B	0.151E	0.076	0 E	0	0	0	0	---	---	14
15	---	---	0 B	0.098E	0.029	0 E	0.003	0	0	0	---	---	15
16	---	---	0 B	0.048A	0.034	0 A	0.042	0	0	0	---	---	16
17	---	---	0 B	0.058A	0.017	0	0.051	0	0	0	---	---	17
18	---	---	0 B	0.071	0.022	0	0.035	0	0	0	---	---	18
19	---	---	0 B	0.211	0.014	0	0.022	0	0	0	---	---	19
20	---	---	0 B	0.344	0.018	0	0.034	0	0	0	---	---	20
21	---	---	0 B	0.228	0.075	0.011A	0.049	0	0	0	---	---	21
22	---	---	0.0038	0.151	0.034	0.003	0.036	0	0	0	---	---	22
23	---	---	0.0208	0.114	0.008	0	0.015	0	0	0	---	---	23
24	---	---	0.1028	0.085	0.001	0	0.002	0	0	0	---	---	24
25	---	---	0.3028	0.027	0.003	0	0	0	0	0	---	---	25
26	---	---	0.5208	0.102	0.003	0.005	0	0	0	0	---	---	26
27	---	---	0.7728	0.084	0.001	0.001	0	0	0	0	---	---	27
28	---	---	1.15 B	0.247	0	0	0	0	0	0	---	---	28
29	---		3.18 B	0.317	0	0	0.013	0	0	0	---	---	29
30	---		4.78 B	1.41	0	0	0.008	0	0	0	---	---	30
31	---		5.75		0		0.001	0		DA		---	31
TOTAL	---	---	15.575	27.308	12.777	0.020	0.318	0	0	0	---	---	TOTAL
MEAN	---	---	0.535	0.910	0.412	0.001	0.010	0	0	0	---	---	MEAN
MAX	---	---	5.75	5.38	4.54	0.011	0.051	0	0	0	---	---	MAX
MIN	---	---	0	0.027	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.233
MAXIMUM DAILY, 5.75 ON MAR 31
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
5.81 AT 04 04 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 00 N
LONG 97 12 58 W
DRAINAGE AREA, 75.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27.5
FEB	---	AUG	0
MAR	1 430	SEP	0
APR	2 380	OCT	0
MAY	1 100	NOV	---
JUN	1.73	DEC	---

TOTAL DISCHARGE, 4 920 dam³

OMANDS CREEK NEAR METRO ROUTE 90 - STATION NO. 05MJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.14 B	4.82	0	0	0.083	0 E	0.032E	---	---	1
2	---	---	0 B	4.73 B	3.35	0	0	0.067	0 E	0.005A	---	---	2
3	---	---	0 B	3.86 B	1.69	0	0.013	0.044	0 E	0.003	---	---	3
4	---	---	0 B	2.38 B	0.914	0	0.062	0.061	0 E	0	---	---	4
5	---	---	0 B	1.58	0.586	0	0.022	0.061	0 E	0	---	---	5
6	---	---	0 B	1.16	0.404	0.001	0.002	0.079	0 E	0	---	---	6
7	---	---	0 B	0.970	0.301	0.023	0	0.086	0 E	0	---	---	7
8	---	---	0 B	0.902	0.205	0.011	0	0.058	0 E	0	---	---	8
9	---	---	0 B	0.820	0.152	0.002	0	0.043	0 E	0	---	---	9
10	---	---	0 B	0.493	0.089	0	0.050	0.049	0 E	0	---	---	10
11	---	---	0 B	0.287	0.089	0	0.174	0.030	0 E	0.020	---	---	11
12	---	---	0 B	0.185	0.278	0	0	0.017	0 E	0.015	---	---	12
13	---	---	0 B	0.083	0.109	0	0	0.009	0 E	0.002	---	---	13
14	---	---	0 B	0.068	0.082	0	0	0.001	0 E	0.002	---	---	14
15	---	---	0 B	0.043	0.050	0	0	0	0 E	0	---	---	15
16	---	---	0 B	0.042	0.048	0	0.014	0	0 E	0	---	---	16
17	---	---	0 B	0.041	0.034	0	0.052	0	0 E	0	---	---	17
18	---	---	0 B	0.078	0.029	0	0.038	0	0 E	0	---	---	18
19	---	---	0 B	0.186	0.022	0	0.013	0	0 E	0	---	---	19
20	---	---	0 B	0.267	0.015	0.058	0.001	0	0 E	0	---	---	20
21	---	---	0 B	0.180	0.025	0.074	0	0	0 E	0	---	---	21
22	---	---	0 B	0.092	0.053	0.039	0	0	0 E	0	---	---	22
23	---	---	0 B	0.052	0.030	0.008	0.008	0	0 E	0	---	---	23
24	---	---	0.041B	0.076	0.002	0	0	0	0 E	0.008	---	---	24
25	---	---	0.282B	0.047	0	0	0	0	0.184E	0.024	---	---	25
26	---	---	0.700B	0.147	0.002	0.085	0.074	0	0.132E	0.002	---	---	26
27	---	---	1.17 B	0.103	0.004	0.034	0.044	0	0.089E	0	---	---	27
28	---	---	2.15 B	0.279	0.002	0.005	0.040	0 A	0.067E	0.014	---	---	28
29	---		3.74 B	0.282	0	0	0.349	0 E	0.034E	0	---	---	29
30	---		4.80 B	1.53	0	0	0.148	0 E	0.078E	0.003	---	---	30
31	---		5.50 B		0		0.423	0 E		0.005A		---	31
TOTAL	---	---	18.423	25.819	13.382	0.339	1.513	0.710	0.574	0.133	---	---	TOTAL
MEAN	---	---	0.594	0.854	0.432	0.011	0.049	0.023	0.019	0.004	---	---	MEAN
MAX	---	---	5.50	5.14	4.82	0.085	0.423	0.086	0.184	0.032	---	---	MAX
MIN	---	---	0	0.041	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.248
MAXIMUM DAILY, 5.50B ON MAR 31
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
5.63B AT 06 59 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 43 N
LONG 97 12 20 W
DRAINAGE AREA, 80.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	131
FEB	---	AUG	61.3
MAR	1 590	SEP	49.6
APR	2 340	OCT	11.5
MAY	1 180	NOV	---
JUN	39.3	DEC	---

TOTAL DISCHARGE, 5 270 dam³

OTTER LAKE NEAR BROAD VALLEY - STATION NO. 05SD801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	274.497	---	274.314	274.204	274.188	---	---	1
2	---	---	---	---	---	274.497	---	274.317	274.201	274.192	---	---	2
3	---	---	---	---	---	274.488	---	274.317	274.201	274.192	---	---	3
4	---	---	---	---	---	274.482	---	274.314	274.188	274.192	---	---	4
5	---	---	---	---	---	274.476	---	274.317	274.182	274.192	---	---	5
6	---	---	---	---	---	274.469	---	274.314	274.182	274.192	---	---	6
7	---	---	---	---	---	274.466	---	274.311	274.188	274.183	---	---	7
8	---	---	---	---	---	274.463	---	274.311	274.186	274.183	---	---	8
9	---	---	---	---	---	274.457	---	274.311	274.183	274.189	---	---	9
10	---	---	---	---	---	274.451	---	274.302	274.183	274.186	---	---	10
11	---	---	---	---	---	---	---	274.302	274.180	274.180	---	---	11
12	---	---	---	---	---	---	---	274.298	274.177	274.183	---	---	12
13	---	---	---	---	---	---	---	274.293	274.183	274.186	---	---	13
14	---	---	---	---	---	---	---	274.286	274.180	274.180	---	---	14
15	---	---	---	---	---	---	---	274.280	274.177	274.183	---	---	15
16	---	---	---	274.386A	---	---	---	274.271	274.180	274.180	---	---	16
17	---	---	---	---	---	---	---	274.265	274.186	274.180	---	---	17
18	---	---	---	---	---	---	---	274.265	274.186	274.180	---	---	18
19	---	---	---	---	---	---	---	274.259	274.186	274.174	---	---	19
20	---	---	---	---	---	---	---	274.250	274.182	274.174	---	---	20
21	---	---	---	---	---	---	---	274.244	274.182	274.174	---	---	21
22	---	---	---	---	---	---	---	274.241	274.182	274.171	---	---	22
23	---	---	---	---	---	---	---	274.235	274.189	274.168	---	---	23
24	---	---	---	---	---	---	274.351	274.238	274.183	274.168	---	---	24
25	---	---	---	---	---	---	274.329	274.235	274.186	274.171	---	---	25
26	---	---	---	---	---	---	274.323	274.235	274.201	274.168	---	---	26
27	---	---	---	---	---	---	274.323	274.232	274.204	274.168	---	---	27
28	---	---	---	---	274.538A	---	274.320	274.229	274.204	274.168	---	---	28
29	---		---	---	274.536	---	274.317	274.229	274.204	274.158	---	---	29
30	---		---	---	274.527	---	274.317	274.226	274.201	274.158	---	---	30
31	---		---	---	274.515		274.317	274.210		274.158E	---	---	31
					274.503								
MEAN	---	---	---	---	---	---	---	274.273	274.181	274.178	---	---	MEAN
MAX	---	---	---	---	---	---	---	274.317	274.204	274.188	---	---	MAX
MIN	---	---	---	---	---	---	---	274.210	274.177	274.155	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 58 N
LONG 97 45 11 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OVERFLOWING RIVER AT OVERFLOWING RIVER - STATION NO. 05LD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0108	3.80 B	15.5	19.2	4.56	5.66	1.12	3.53	---	---	1
2	---	---	0.0108	0.1988	17.3	18.0	4.17	5.62	1.01	3.87	---	---	2
3	---	---	0.0108	0.1808	20.2	16.7	4.04	7.00	1.09	3.83	---	---	3
4	---	---	0.0098	0.9208	23.0	15.5	3.83	6.88	1.03	4.03	---	---	4
5	---	---	0.0088	3.51 B	23.7	15.0	4.25	6.51	0.992	4.01	---	---	5
6	---	---	0.0088	5.76 B	23.8	14.8	5.64	6.33	0.941	4.07	---	---	6
7	---	---	0.0078	12.4 B	22.4	14.0	6.37	6.22	0.926	4.68	---	---	7
8	---	---	0.0048	14.7 B	21.1	13.2	6.77	5.96	0.902	5.04	---	---	8
9	---	---	0.0048	16.8 B	20.4	12.8	6.63	5.78	0.874	5.25	---	---	9
10	---	---	0.0058	8.83 B	21.0	12.9	6.12	5.61	0.881	5.47	---	---	10
11	---	---	0.0058	3.35 B	21.8	13.1	6.09	5.37	0.870	5.26	---	---	11
12	---	---	0.0088	3.39 B	23.2	13.1	7.64	5.11	0.868	5.11	---	---	12
13	---	---	0.0088	1.87 B	24.6	12.8	8.29	4.87	0.865	5.09	---	---	13
14	---	---	0.0138	2.40 B	25.4	12.5	8.72	4.17	0.870	4.85	---	---	14
15	---	---	0.0158	3.13 B	26.4	12.0	8.45	3.98	0.848	4.90A	---	---	15
16	---	---	0.0128	3.05 B	28.0	11.2	8.15	3.73	0.831	4.74	---	---	16
17	---	---	0.0108	2.82 B	29.2	10.5	7.71	3.41	0.832	4.61	---	---	17
18	---	---	0.0098	3.31 B	29.7	10.3	7.36	3.27	0.820	4.50	---	---	18
19	---	---	0.0138	4.45 B	30.1	10.4	6.89	3.04	0.801	4.40	---	---	19
20	---	---	0.0178	11.8 B	30.2	10.9	6.39	2.76	0.784	4.26	---	---	20
21	---	---	0.0228	19.5 B	29.8	10.4	5.80	2.40	0.785	4.08	---	---	21
22	---	---	0.0238	23.8 E	29.6	9.41	5.02	2.21	0.782A	3.98	---	---	22
23	---	---	0.0258	19.4 A	29.1	8.58	4.53	1.98	0.882E	3.89	---	---	23
24	---	---	0.0278	19.4	28.5	7.90	4.23	1.85	0.840E	3.82	---	---	24
25	---	---	0.0288	19.9	27.7	7.41	3.98	1.71	1.18 E	3.73	---	---	25
26	---	---	0.0318	19.6	26.8	6.90	3.88	1.53	1.55 A	3.86	---	---	26
27	---	---	0.0458	18.2	25.8	6.33	3.70	1.44	2.00	3.63	---	---	27
28	---	---	0.3188	16.7	24.5	5.74	3.51	1.38	2.24	3.56	---	---	28
29	---		0.7618	15.3	23.0	5.24	3.30	1.32	2.57	3.40	---	---	29
30	---		1.48 B	14.9	21.6	4.88	3.48	1.31	3.03	3.30	---	---	30
31	---		2.48 B		20.4		4.22	1.24		2.85	---	---	31
TOTAL	---	---	5.423	298.188	764.1	361.80	173.75	120.43	34.105	131.80	---	---	TOTAL
MEAN	---	---	0.175	9.84	24.6	11.4	5.60	3.86	1.14	4.25	---	---	MEAN
MAX	---	---	2.48	23.8	30.2	19.2	8.72	7.00	3.03	5.47	---	---	MAX
MIN	---	---	0.004	0.180	15.5	4.88	3.30	1.24	0.782	2.85	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.63
MAXIMUM DAILY, 30.2 ON MAY 20
MINIMUM DAILY, 0.0048 ON MAR 8
MAXIMUM INSTANTANEOUS,
30.5 AT 19:22 CST ON MAY 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 15 N
LONG 101 05 30 W
DRAINAGE AREA, 3 530 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	15 000
FEB	---	AUG	10 400
MAR	469	SEP	2 950
APR	25 800	OCT	11 400
MAY	68 000	NOV	---
JUN	29 500	DEC	---

TOTAL DISCHARGE, 162 000 dam³

OXFORD LAKE AT OXFORD HOUSE - STATION NO. 04AA002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.393	---	---	187.343E	187.386	188.077E	187.892	187.742	187.636	187.491	187.408	187.371	1
2	187.392	---	---	187.338E	187.391	188.077E	187.890	187.743	187.637	187.488	187.392	187.372	2
3	187.391	---	---	187.326E	187.402	188.074E	187.875	187.735	187.628	187.493	187.388	187.374	3
4	187.390	---	---	187.315A	187.414	188.058E	187.883	187.724	187.630	187.493	187.383	187.376	4
5	187.389	---	---	187.310	187.428	188.057A	187.869	187.718	187.640	187.482	187.383	187.378	5
6	187.388	---	---	187.310	187.443	188.057	187.847	187.717	187.639	187.482	187.384	187.377	6
7	187.390	---	---	187.311	187.459	188.067	187.825	187.728	187.646	187.477	187.385	187.378	7
8	187.390	---	---	187.304	187.477	188.050	187.812	187.735	187.622	187.458	187.384	187.378	8
9	187.388	---	---	187.300	187.494	188.027	187.802	187.727	187.618	187.456	187.383	187.380	9
10	187.386	---	---	187.298	187.522	188.018	187.890	187.728	187.602	187.448	187.382	187.381	10
11	187.390	---	---	187.296	187.554	188.027	187.878	187.718	187.598	187.448	187.381	187.382	11
12	187.401	---	---	187.302	187.591	188.039	187.876	187.718	187.587	187.458	187.380	187.385	12
13	187.403	---	---	187.302	187.641	188.043	187.870	187.694	187.581	187.431	187.380	187.385	13
14	187.405	---	---	187.287	187.686	188.050	187.867	187.686	187.576	187.424	187.379	187.386	14
15	187.406	---	---	187.285	187.733	188.033	187.861	187.704	187.576	187.428	187.378	187.388	15
16	187.410	---	---	187.287	187.780	188.016	187.853	187.729	187.569	187.413	187.377	187.388	16
17	187.430A	---	---	187.301	187.822	188.008	187.815	187.708	187.565	187.412	187.376	187.389	17
18	187.430A	---	---	187.305	187.858	187.986	187.825	187.704	187.565	187.409	187.375	187.388	18
19	187.417A	---	---	187.314	187.893	187.983	187.814	187.690	187.574	187.409	187.373	187.387	19
20	187.418A	---	---	187.306	187.921	187.962	187.805	187.715	187.560	187.409	187.372	187.388	20
21	187.431A	---	---	187.312	187.963E	187.975	187.811	187.685	187.554	187.403	187.372	187.384	21
22	187.426A	---	---	187.311	187.987E	187.961	187.788	187.688	187.548	187.381	187.371	187.382	22
23	187.410A	---	---	187.323	188.008E	187.958	187.775	187.685	187.540	187.384	187.371	187.380	23
24	187.409E	---	---	187.338	188.028E	187.951	187.772	187.685	187.532	187.385	187.371	187.380	24
25	187.409E	---	---	187.333	188.050E	187.948	187.787	187.672	187.478	187.377	187.370	187.379	25
26	187.407E	---	---	187.338	188.052E	187.951	187.789	187.668	187.478	187.387	187.368	187.378	26
27	187.405E	---	---	187.338	188.078E	187.950	187.754	187.688	187.494	187.383	187.367	187.373	27
28	187.404E	---	---	187.338	188.088E	187.935	187.746	187.655	187.508	187.382	187.368	187.371	28
29	187.403E		---	187.372	188.082E	187.914	187.744	187.650	187.500	187.360	187.368	187.368	29
30	187.405E		---	187.383	188.071E	187.909	187.737	187.648	187.504	187.365	187.369	187.368	30
31	187.405E		---		188.088E		187.748	187.650		187.388		187.368	31
MEAN	187.404	---	---	187.318	187.754	188.008	187.834	187.701	187.574	187.429	187.378	187.379	MEAN
MAX	187.431	---	---	187.383	188.089	188.077	187.947	187.743	187.646	187.493	187.408	187.389	MAX
MIN	187.386	---	---	187.285	187.388	187.909	187.737	187.648	187.478	187.377	187.367	187.368	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 188.089E ON MAY 28
MINIMUM DAILY, 187.285 ON APR 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 57 10 N
LONG 95 16 00 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -183.565 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

OXTAIL CREEK NEAR GLENBORO - STATION NO. 05MH014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.72	1.78	0.384	0.010	0.081	0	0.003E	---	---	1
2	---	---	0 B	2.32	1.64	0.359	0.007	0.068	0.001A	0.003E	---	---	2
3	---	---	0 B	2.03	1.48	0.331	0.044	0.053	0.003	0.003E	---	---	3
4	---	---	0 B	1.78	2.02	0.282	0.441	0.046	0.003	0.002E	---	---	4
5	---	---	0 B	1.62	2.88	0.335	0.492	0.048	0.004	0.007E	---	---	5
6	---	---	0 B	1.53	3.81	0.286	0.391	0.047	0.003A	0.004E	---	---	6
7	---	---	0 B	1.47	2.72	0.248	0.309	0.088	0.003E	0.002A	---	---	7
8	---	---	0 B	1.37	2.88	0.338	0.281	0.048A	0.003E	0.003	---	---	8
9	---	---	0 B	1.24	3.20	0.368	0.213	0.048E	0.003E	0.003	---	---	9
10	---	---	0 B	1.13	2.96	0.325	0.441	0.088E	0.003E	0.003	---	---	10
11	---	---	0 B	1.03	2.86	0.271	0.747	0.058E	0.002E	0.007	---	---	11
12	---	---	0 B	0.947	3.44	0.235	0.584	0.048E	0.002E	0.006	---	---	12
13	---	---	0 B	0.884	3.10	0.171	0.525	0.041E	0.002E	0.005	---	---	13
14	---	---	0 B	0.777	2.83	0.131	0.489	0.033E	0.002E	0.005	---	---	14
15	---	---	0 B	0.737	2.21	0.142	0.386	0.028E	0.002E	0.005	---	---	15
16	---	---	0 B	0.703	1.85	0.143	0.282	0.019E	0.002E	0.005	---	---	16
17	---	---	0 B	0.686	1.83	0.106	0.235	0.013E	0.002E	0.005	---	---	17
18	---	---	0.0058	1.11	1.61	0.103	0.224E	0.008E	0.003E	0.005	---	---	18
19	---	---	0.1009	2.20	1.44	0.084	0.195E	0.005E	0.003E	0.005	---	---	19
20	---	---	0.3138	2.22	1.17	0.102	0.168E	0.003E	0.003E	0.004	---	---	20
21	---	---	0.8488	2.13	0.861	0.104	0.180E	0.002E	0.003E	0.004	---	---	21
22	---	---	3.10 B	2.18	0.812	0.078	0.151E	0	0.003E	0.004	---	---	22
23	---	---	3.42 B	2.05	0.714	0.054	0.177E	0	0.003E	0.004	---	---	23
24	---	---	4.00 B	1.78	0.661	0.051	0.088E	0	0.003E	0.004	---	---	24
25	---	---	3.22 B	1.59	0.616	0.043	0.065E	0	0.004E	0.004	---	---	25
26	---	---	3.19 B	1.53	0.581	0.045	0.102E	0	0.004E	0.004	---	---	26
27	---	---	3.82 B	1.49	0.613	0.042	0.134E	0	0.004E	0.004	---	---	27
28	---	---	4.02	1.53	0.472	0.028	0.275A	0	0.004E	0.004	---	---	28
29	---		3.86	1.49	0.441	0.018	0.157	0	0.003E	0.004	---	---	29
30	---		3.65	1.65	0.422	0.012	0.108	0	0.003E	0.004	---	---	30
31	---		3.26		0.388		0.086	0		0.005	---	---	31
TOTAL	---	---	37.007	65.886	53.751	5.188	7.983	0.830	0.083	0.130	---	---	TOTAL
MEAN	---	---	1.19	1.53	1.73	0.172	0.258	0.027	0.003	0.004	---	---	MEAN
MAX	---	---	4.02	2.72	3.81	0.368	0.747	0.081	0.004	0.007	---	---	MAX
MIN	---	---	0	0.686	0.388	0.012	0.007	0	0	0.002	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 0.818
MAXIMUM DAILY, 4.02 ON MAR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4.51B AT 08:20 CST ON MAR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 99 10 18 W
DRAINAGE AREA, 494 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	690
FEB	---	AUG	71.7
MAR	3 200	SEP	7.17
APR	3 880	OCT	11.2
MAY	4 640	NOV	---
JUN	447	DEC	---

TOTAL DISCHARGE, 13 000 dam³

PANSY DRAIN NEAR SARTO - STATION NO. 05DE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.837	2.48	0.010	0	---	---	---	---	---	1
2	---	---	0 B	0.789	2.27	0.008	0	---	---	---	---	---	2
3	---	---	0 B	0.596	1.92	0.010	0	---	---	---	---	---	3
4	---	---	0 B	0.475	1.75	0.008	0.001	---	---	---	---	---	4
5	---	---	0 B	0.378	2.58	0.006	0.001	---	---	---	---	---	5
6	---	---	0 B	0.337	2.07	0.004	0	---	---	---	---	---	6
7	---	---	0 B	0.287	1.64	0.005	0	---	---	---	---	---	7
8	---	---	0 B	0.234	1.19	0.003	0	---	---	---	---	---	8
9	---	---	0 B	0.239	0.959	0.002A	0	---	---	---	---	---	9
10	---	---	0 B	0.227	0.855	0.002	0.001	---	---	---	---	---	10
11	---	---	0 B	0.192	0.892	0.001	0.006	---	---	---	---	---	11
12	---	---	0 B	0.157	1.06	0.001	0.004	---	---	---	---	---	12
13	---	---	0 B	0.146	0.910	0.001	0.003	---	---	---	---	---	13
14	---	---	0 B	0.122B	0.724	0	0.003	---	---	---	---	---	14
15	---	---	0 B	0.102B	0.559	0.002	0.002A	---	---	---	---	---	15
16	---	---	0 B	0.110	0.457	0.006	---	---	---	---	---	---	16
17	---	---	0 B	0.087	0.380	0.003	---	---	---	---	---	---	17
18	---	---	0 C	0.101	0.341	0.002	---	---	---	---	---	---	18
19	---	---	0 B	0.206	0.291	0	---	---	---	---	---	---	19
20	---	---	0 B	0.238	0.244	0.002	---	---	---	---	---	---	20
21	---	---	0 B	0.1888	0.201	0.004	---	---	---	---	---	---	21
22	---	---	0 B	0.160	0.174	0.001	---	---	---	---	---	---	22
23	---	---	0 B	0.206	0.153	0	---	---	---	---	---	---	23
24	---	---	0.0028	0.203	0.140A	0	---	---	---	---	---	---	24
25	---	---	0.0158	0.185	0.128E	0	---	---	---	---	---	---	25
26	---	---	0.0308	0.473	0.104E	0	---	---	---	---	---	---	26
27	---	---	0.2278	1.07	0.071E	0	---	---	---	---	---	---	27
28	---	---	0.3368	1.53	0.041E	0	---	---	---	---	---	---	28
29	---		0.5968	1.48	0.030A	0	---	---	---	---	---	---	29
30	---		0.8658	1.58	0.022	0	---	---	---	---	---	---	30
31	---		0.948		0.016		---	---		---	---	---	31
TOTAL	---	---	3.017	13.035	24.830	0.081	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.097	0.435	0.795	0.003	---	---	---	---	---	---	MEAN
MAX	---	---	0.948	1.58	2.58	0.010	---	---	---	---	---	---	MAX
MIN	---	---	0	0.087	0.016	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.334
MAXIMUM DAILY, 2.58 ON MAY 5
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
2.76 AT 01 17 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 05 N
LONG 96 43 53 W
DRAINAGE AREA, 29.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	261	SEP	---
AP	130	OCT	---
MAY	2 130	NOV	---
JUN	7.00	DEC	---

TOTAL DISCHARGE, 3 530 dam³

PARTRIDGE CREEK NEAR ST. MARTIN - STATION NO. 05LM002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	244.294	245.095	245.058	---	---	---	---	---	1
2	---	---	---	---	244.329	245.149	245.035	---	---	---	---	---	2
3	---	---	---	---	244.400	245.126	245.059	---	---	---	---	---	3
4	---	---	---	244.985A	244.442	245.116	245.099	---	---	---	---	---	4
5	---	---	---	244.762	244.434	245.134	245.084	---	---	---	---	---	5
6	---	---	---	244.484	244.570	245.148	245.124	---	---	---	---	---	6
7	---	---	---	244.377	244.891	245.140	245.135A	---	---	---	---	---	7
8	---	---	---	244.315	244.808	245.144	---	---	---	---	---	---	8
9	---	---	---	244.281	244.921	245.158	---	---	---	---	---	---	9
10	---	---	---	244.285	245.054	245.145	---	---	---	---	---	---	10
11	---	---	---	244.239	245.093	245.182	---	---	---	---	---	---	11
12	---	---	---	244.182A	245.143	245.180	---	---	---	---	---	---	12
13	---	---	---	244.161E	245.186	245.143	---	---	---	---	---	---	13
14	---	---	---	244.151E	245.188	245.121	---	---	---	---	---	---	14
15	---	---	---	244.150E	245.222	245.108	---	---	---	---	---	---	15
16	---	---	---	244.165A	245.216	245.086	---	---	---	---	---	---	16
17	---	---	---	244.196	245.193	245.092	---	---	---	---	---	---	17
18	---	---	---	244.238	245.178	245.104	---	---	---	---	---	---	18
19	---	---	---	244.354	245.205	245.115	---	---	---	---	---	---	19
20	---	---	---	244.314	245.229	245.121	---	---	---	---	---	---	20
21	---	---	---	244.295	245.237	245.125	---	---	---	---	---	---	21
22	---	---	---	244.296	245.233	245.120	---	---	---	---	---	---	22
23	---	---	---	244.283	245.230	245.084	---	---	---	---	---	---	23
24	---	---	---	244.275	245.216	245.096	---	---	---	---	---	---	24
25	---	---	---	244.269	245.203	245.123	---	---	---	---	---	---	25
26	---	---	---	244.234	245.182	245.121	---	---	---	---	---	---	26
27	---	---	---	244.222	245.184	245.115	---	---	---	---	---	---	27
28	---	---	---	244.233	245.182	245.093	---	---	---	---	---	---	28
29	---		---	244.271	245.181	245.089	---	---	---	---	---	---	29
30	---		---	244.261	245.152	245.062	---	---	---	---	---	---	30
31	---		---		245.124		---	---		---	---	---	31
MEAN	---	---	---	---	244.987	245.119	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	245.237	245.182	---	---	---	---	---	---	MAX
MIN	---	---	---	---	244.294	245.083	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 245.237 ON MAY 21

MAXIMUM INSTANTANEOUS,
245.286 AT 18 52 CST ON MAY 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 30 N
LONG 98 39 30 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
104 km²

PELICAN CREEK NEAR BIRNIE - STATION NO. 05LL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0.0028	0.282	0.185	0.024	0.005	0.006	0	0.011	---	---	1
2	---	---	0.0028	0.214	0.173	0.024	0.005	0.005	0	0.011	---	---	2
3	---	---	0.0028	0.200	0.182	0.021	0.006	0.005	0	0.011	---	---	3
4	---	---	0.0028	0.148	0.178	0.018	0.005	0.013	0	0.011	---	---	4
5	---	---	0.0028	0.157	1.12 A	0.021	0.034	0.009	0	0.011	---	---	5
6	---	---	0.0028	0.173	1.07	0.018	0.014	0.007	0	0.012	---	---	6
7	---	---	0.0028	0.230	0.740	0.017	0.009	0.006	0	0.011	---	---	7
8	---	---	0.0028	0.176	0.542	0.016	0.007	0.004	0	0.012	---	---	8
9	---	---	0.0018	0.152	0.576	0.016	0.007	0.004	0	0.012	---	---	9
10	---	---	0.0018	0.165	0.452	0.017	0.027	0.004	0	0.011	---	---	10
11	---	---	0.0018	0.1438	0.282	0.015	0.020	0.003	0	0.011	---	---	11
12	---	---	0.0018	0.1498	0.183	0.012	0.028	0.002	0	0.011	---	---	12
13	---	---	0.0018	0.1558	0.135	0.012	0.090	0.003	0	0.011	---	---	13
14	---	---	0.0018	0.101	0.122	0.012	0.063	0.007	0	0.011	---	---	14
15	---	---	0.0028	0.089	0.111	0.012	0.043	0.005	0	0.011	---	---	15
16	---	---	0.0028	0.081	0.105	0.011	0.030	0.003	0	0.011	---	---	16
17	---	---	0.0058	0.086	0.100	0.010	0.028	0.002	0	0.010	---	---	17
18	---	---	0.0108	0.436	0.094	0.008	0.025	0.001	0	0.010	---	---	18
19	---	---	0.0308	0.445	0.084	0.008	0.018	0.004	0	0.011	---	---	19
20	---	---	0.0518	0.202	0.085	0.008	0.017	0.004	0	0.010	---	---	20
21	---	---	0.0498	0.178	0.089	0.007	0.015	0.002	0	0.010	---	---	21
22	---	---	0.1038	0.155	0.056	0.007	0.013	0.002	0	0.011	---	---	22
23	---	---	0.0718	0.155	0.052	0.007	0.011	0.001	0	0.011	---	---	23
24	---	---	0.0248	0.154	0.049	0.007	0.010	0	0	0.011	---	---	24
25	---	---	0.0278	0.142	0.046	0.008	0.009	0	0.008	0.012	---	---	25
26	---	---	0.0478	0.140	0.040	0.013	0.017	0.001	0.018	0.012	---	---	26
27	---	---	0.0578	0.138	0.035	0.008	0.012	0	0.015	0.011	---	---	27
28	---	---	0.1218	0.140	0.031	0.008	0.011	0	0.014	0.011	---	---	28
29	---		0.2498	0.157	0.027	0.008	0.010	0	0.012	0.011	---	---	29
30	---		0.349	0.163	0.026	0.008	0.008	0	0.012	0.011	---	---	30
31	---		0.261		0.024		0.006	0		0.012		---	31
TOTAL	---	---	1.480	5.288	5.826	0.373	0.505	0.105	0.078	0.343	---	---	TOT
MEAN	---	---	0.048	0.176	0.223	0.012	0.020	0.003	0.003	0.011	---	---	MEA
MAX	---	---	0.349	0.445	1.12	0.024	0.090	0.013	0.018	0.012	---	---	MAX
MIN	---	---	0.001	0.081	0.024	0.008	0.005	0	0	0.010	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.062
MAXIMUM DAILY, 1.12A ON MAY 5
MINIMUM DAILY, 0 ON AUG 24
MAXIMUM INSTANTANEOUS,
2.59E AT 19 50 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 35 N
LONG 99 28 05 W
DRAINAGE AREA, 9.09 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	52.3
FEB	---	AUG	9.07
MAR	128	SEP	6.83
APR	457	OCT	29.6
MAY	598	NOV	---
JUN	32.2	DEC	---

TOTAL DISCHARGE, 1 310 dam³

PELICAN LAKE NEAR NINETTE - STATION NO 05DA802

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	---	---	411.257	411.420	411.360	411.390	411.250	411.210	---	---	1
2	---	---	---	---	411.288	411.410	411.358	411.380	411.245E	411.210	---	411.198	2
3	---	---	---	---	411.273E	411.400	411.358	411.375	411.240	411.210	---	---	3
4	---	---	---	---	411.278	411.430	411.390	411.375	411.240	411.210	---	---	4
5	---	---	---	---	411.278	411.420	411.390	411.375	411.230	411.200E	---	---	5
6	---	---	410.947	---	411.288	411.400E	411.370	411.370	411.220	411.190	---	---	6
7	---	---	---	---	411.344	411.380	411.370	411.360	411.220E	411.190	---	---	7
8	410.932	---	---	---	411.344	411.410	411.370	411.340	411.220	411.190	---	---	8
9	---	---	---	411.103	411.372	411.390	411.370	411.320	411.220	411.190E	---	---	9
10	---	---	---	---	411.388	411.390	411.380	411.314E	411.220	411.190	---	---	10
11	---	410.940	---	---	411.408	411.390	411.390	411.307E	411.210	411.190	---	---	11
12	---	---	---	---	411.418	411.380	411.390	411.300	411.210	---	---	---	12
13	---	---	---	---	411.428	411.380	411.388E	411.300	411.210	---	---	---	13
14	---	---	---	---	411.428E	411.380	411.385	411.300	411.190	---	---	---	14
15	---	---	---	---	411.428	411.380	411.385	411.300	411.190	---	---	---	15
16	---	---	---	---	411.428	411.380	411.385	411.300	411.190	---	---	---	16
17	---	---	---	---	411.438	411.378E	411.380	411.290	411.190	---	---	---	17
18	---	---	---	---	411.440E	411.375E	411.380	411.290	411.190	---	---	---	18
19	---	---	---	---	411.443	411.373E	411.380	411.280	411.190	---	---	411.205	19
20	---	---	---	---	411.443	411.370	411.380	411.290	411.190	---	411.195	---	20
21	---	---	---	---	411.442E	411.370	411.380	411.280	411.190	---	---	---	21
22	---	---	---	---	411.440E	411.375E	411.375	411.280	411.180	---	---	---	22
23	410.935	---	---	---	411.436	411.380	411.375	411.274E	411.180	---	---	---	23
24	---	---	---	---	411.436	411.382E	411.370	411.268E	411.180	---	---	---	24
25	---	---	410.987	---	411.436E	411.385	411.370	411.262	411.180E	---	---	---	25
26	---	---	---	---	411.434E	411.380	411.370E	411.260	411.180	---	---	---	26
27	---	---	---	---	411.432E	411.380	411.370E	411.255	411.280	---	---	---	27
28	---	---	---	---	411.430	411.370	411.370	411.255	411.210	---	---	---	28
29	---		---	---	411.430	411.385E	411.380	411.280	411.240	---	---	---	29
30	---		---	411.258	411.430	411.380	411.385	411.260	411.210	---	---	---	30
31	---		---		411.440		411.385	411.255		---		---	31
MEAN	---	---	---	---	411.393	411.388	411.378	411.307	411.212	---	---	---	MEAN
MAX	---	---	---	---	411.443	411.430	411.385	411.380	411.280	---	---	---	MAX
MIN	---	---	---	---	411.257	411.380	411.358	411.255	411.180	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 24 00 N
LONG 99 36 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
485 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PEMBINA RIVER ABOVE LORNE LAKE - STATION NO. 05DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.98	1.17	0.270	0.028	0.028	0.037	0	---	---	1
2	---	---	0 B	1.75	1.18	0.231	0.026	0.064	0.034	0	---	---	2
3	---	---	0 B	1.71	1.23	0.213	0.030	0.068	0.037	0	---	---	3
4	---	---	0 B	1.80	1.21	0.189	0.139	0.081	0.027	0	---	---	4
5	---	---	0 B	1.61	1.31	0.171	0.151	0.106	0.014	0	---	---	5
6	---	---	0 B	1.86	2.17	0.159	0.125	0.125	0.010	0	---	---	6
7	---	---	0 B	1.56	2.81	0.152	0.087	0.138	0.010	0	---	---	7
8	---	---	0 B	1.44	5.68	0.136	0.057	0.136	0.002	0	---	---	8
9	---	---	0 B	1.33	5.01	0.125	0.069	0.135	0.003	0	---	---	9
10	---	---	0.1008	1.24	4.21	0.118	0.099	0.133	0.020	0.002	---	---	10
11	---	---	0.3378	1.17	3.57	0.110	0.131	0.129	0.016	0.004	---	---	11
12	---	---	0.5008	1.11	2.81	0.103	0.128	0.111	0.013	0.006	---	---	12
13	---	---	1.50 B	1.06	2.15	0.095	0.123	0.148	0.002	0.010	---	---	13
14	---	---	2.00 B	1.04	1.72	0.083	0.111	0.145	0	0.009	---	---	14
15	---	---	2.50 B	1.06	1.46	0.082	0.091	0.116	0	0.010	---	---	15
16	---	---	2.40 B	0.887	1.27	0.082	0.078	0.114	0	0.004	---	---	16
17	---	---	2.30 B	1.01	1.12	0.074	0.087	0.111	0	0.005	---	---	17
18	---	---	2.23 B	1.32	1.02	0.067	0.088	0.073	0	0.013	---	---	18
19	---	---	2.08 B	3.03	0.931	0.062	0.068	0.041	0	0.023	---	---	19
20	---	---	1.93 B	6.84	0.854	0.081	0.042	0.020	0	0.026	---	---	20
21	---	---	1.78 B	6.29	0.775	0.098	0.044	0.013	0	0.018	---	---	21
22	---	---	2.10 B	4.50	0.718	0.100	0.037	0.016	0	0.009	---	---	22
23	---	---	2.09 B	2.90	0.655	0.083	0.033	0.015	0	0.010	---	---	23
24	---	---	3.18 B	2.00	0.601	0.070	0.028	0.007	0	0.015	---	---	24
25	---	---	2.64 B	1.67	0.548	0.055	0.021	0.002	0	0.016	---	---	25
26	---	---	2.46 B	1.46	0.498	0.049	0.025	0.002	0	0.017	---	---	26
27	---	---	2.80 B	1.31	0.456	0.042	0.043	0.004	0	0.018	---	---	27
28	---	---	2.61 B	1.24	0.412	0.034	0.050	0.017	0	0.017	---	---	28
29	---		2.53	1.15	0.385	0.030	0.039	0.026	0	0.015	---	---	29
30	---		2.59	1.18	0.356	0.028	0.028	0.032	0	0.016	---	---	30
31	---		2.28		0.314		0.021	0.044		0.019		---	31
TOTAL	---	---	44.917	58.007	49.801	3.203	2.059	2.186	0.225	0.282	---	---	TOTAL
MEAN	---	---	1.45	1.93	1.61	0.107	0.066	0.071	0.008	0.009	---	---	MEAN
MAX	---	---	3.18	6.84	5.01	0.270	0.151	0.148	0.037	0.026	---	---	MAX
MIN	---	---	0	0.887	0.314	0.028	0.021	0.002	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.856
MAXIMUM DAILY, 6.84 ON APR 20
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.50 AT 21 31 CST ON APR 20

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 99 27 44 W
DRAINAGE AREA, 542 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	178
FEB	---	AUG	190
MAR	3 880	SEP	19.4
APR	5 010	OCT	24.4
MAY	4 300	NOV	---
JUN	277	DEC	---

TOTAL DISCHARGE, 13 900 dam³

PEMBINA RIVER AT NECHE - STATION NO. 05DC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.4538	0.3408	0.3408	40.2E	25.9	12.3	5.38	7.11	2.41	1.66	1.02	0.3968	1
2	0.4258	0.3408	0.3968	37.4	28.1	11.7	5.15	6.34	2.35	1.67	0.538	0.4258	2
3	0.3968	0.3408	0.4538	32.0	25.6	11.1	4.90	5.83	2.32	1.61	0.708	0.4258	3
4	0.3968	0.3408	0.4818	30.0	25.1	15.4	4.90	5.41	2.27	1.64	0.708	0.4258	4
5	0.3968	0.3408	0.4818	28.6	24.3	20.6	4.81	5.18	2.18	1.64	0.934	0.4258	5
6	0.3688	0.3118	0.4538	27.0	23.4	20.7	4.62	4.83	2.15	1.53	1.27	0.3968	6
7	0.3688	0.3118	0.4538	25.3	22.8	17.4	4.47	4.70	2.10	1.59	0.8508	0.3968	7
8	0.3688	0.2838	0.4538	24.1	24.6	18.1	4.28	4.56	2.04	1.50	0.7088	0.3968	8
9	0.3688	0.2838	0.4818	22.7	28.6	13.6	4.19	4.45	2.01	1.47	0.6238	0.3688	9
10	0.3688	0.2558	0.5108	21.5	29.4	12.6	4.19	4.28	1.98	1.50	0.5108	0.3688	10
11	0.3968	0.2418	0.5668	21.0	28.0	11.6	4.36	4.28	1.95	1.50	0.4538	0.3408	11
12	0.4258	0.2278	0.6518	20.2	26.2	10.9	4.36	4.11	1.93	1.47	0.4538	0.3118	12
13	0.4818	0.2128	0.7658	18.9	29.4	10.3	4.30	3.96	1.84	1.47	0.3968	0.3118	13
14	0.5108	0.2128	0.8508	18.9	29.7	9.88	4.45	3.82	1.81	1.47	0.3968	0.3118	14
15	0.5388	0.2128	0.9348	18.4	25.8	9.17	4.79	3.74	1.76	1.47	0.3688	0.3118	15
16	0.5388	0.1988	0.9918	17.9	23.7	8.89	4.83	3.80	1.73	1.47	0.3408	0.3408	16
17	0.5108	0.1988	1.05 B	17.5	22.1	8.64	4.73	3.37	1.73	1.44	0.3118	0.3408	17
18	0.5108	0.1848	1.13 B	17.0	21.0	8.21	4.64	3.14	1.64	1.36	0.2838	0.3408	18
19	0.5108	0.1848	1.53 B	23.8	20.1	7.84	4.62	3.08	1.61	1.33	0.2728	0.3408	19
20	0.5108	0.1848	2.12 B	42.6	19.7	7.78	4.53	2.92	1.61	1.33	0.2558	0.3118	20
21	0.5108	0.1708	5.66 B	38.2	19.0	10.4	4.70	2.78	1.61	1.33	0.2558	0.3118	21
22	0.4818	0.1568	15.3 B	33.4	18.2	12.1	4.87	2.72	1.61	1.33	0.2558	0.3118	22
23	0.4538	0.1568	24.6 B	32.0	17.3	9.77	4.84	2.86	1.61	1.33	0.2498	0.3118	23
24	0.4258	0.1568	62.3 B	28.3	16.7	9.03	4.45	2.58	1.58	1.25	0.2498	0.3118	24
25	0.4258	0.1568	80.9 B	24.5	16.2	8.27	4.38	2.55	1.61	1.19	0.2838	0.3118	25
26	0.4258	0.1708	54.1 B	23.1	15.5	7.45	4.42	2.55	1.61	1.19	0.3408	0.3118	26
27	0.3968	0.2278	53.2 B	24.1	15.1	6.80	4.62	2.52	1.67	1.19	0.4538	0.3118	27
28	0.3688	0.2838	52.1 B	26.4	14.6	6.34	5.51	2.52	1.64	1.22	0.4538	0.3118	28
29	0.3688		80.9 B	27.0	14.1	5.86	9.17	2.52	1.61	1.19	0.4258	0.3118	29
30	0.3408		51.0 B	24.9	13.6	5.61	8.92	2.49	1.58	1.13	0.4258	0.3118	30
31	0.3408		46.2		13.0		8.04	2.49		1.08		0.3118	31
TOTAL	13.385	6.689	501.848	787.2	677.0	324.95	157.33	117.17	55.54	43.45	14.783	10.696	TOTAL
MEAN	0.431	0.238	16.2	26.2	21.8	10.8	5.08	3.78	1.85	1.40	0.493	0.345	MEAN
MAX	0.538	0.340	62.3	42.6	29.7	20.7	9.17	7.11	2.41	1.67	1.27	0.425	MAX
MIN	0.340	0.155	0.340	17.0	13.0	5.61	4.19	2.49	1.58	1.08	0.249	0.311	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.42
MAXIMUM DAILY, 62.3B ON MAR 24
MINIMUM DAILY, 0.155B ON FEB 22

SUMMARY FOR THE YEAR 1986

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 20 N
LONG 97 33 05 W
DRAINAGE AREA, 8 470 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 180	JUL	13 600
FEB	576	AUG	10 100
MAR	43 300	SEP	4 800
APR	68 000	OCT	3 750
MAY	58 500	NOV	1 280
JUN	28 100	DEC	824

TOTAL DISCHARGE, 234 000 dam³

PEMBINA RIVER BELOW CRYSTAL CREEK - STATION NO. 05DB023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0188	0.0248	0.0268	14.6	10.9	4.99	3.05	1.51	0.090	0.085	0.344	0.0598	1
2	0.0188	0.0238	0.0268	13.9	10.7	4.67	2.99	1.39	0.070	0.109	0.355	0.0568	2
3	0.0178	0.0238	0.0278	13.5	10.3	4.47	3.08	1.31	0.080	0.132	0.3708	0.0538	3
4	0.0188	0.0248	0.0318	13.1	10.1	5.28	3.58	1.22	0.088	0.093	0.3728	0.0508	4
5	0.0188	0.0248	0.0348	12.9	10.2	5.40	3.43	1.19	0.076	0.115	0.1548	0.0478	5
6	0.0188	0.0248	0.0348	12.5	10.5	5.38	3.80	1.08	0.085	0.133	0.0978	0.0448	6
7	0.0208	0.0248	0.0428	12.0	10.4	4.80	3.34	1.11	0.070	0.131	0.0478	0.0418	7
8	0.3228	0.0248	0.0438	11.8	10.1	3.84	2.95	0.881	0.083	0.152	0.0558	0.0388	8
9	0.0238	0.0248	0.0388	11.1	10.1	3.35	2.81	0.677	0.089	0.162	0.0568	0.0358	9
10	0.0248	0.0248	0.0398	10.7	10.6	3.24	2.77	0.624	0.082	0.175	0.0588	0.0328	10
11	0.0258	0.0238	0.0388	10.3	10.8	3.05	2.77	0.628	0.083	0.180	0.0568	0.0288	11
12	0.0258	0.0228	0.0418	10.0	11.4	2.85	2.74	0.354	0.061	0.187	0.0578	0.0288	12
13	0.0288	0.0228	0.0458	9.44	11.4	2.87	2.67	0.340	0.055	0.210	0.0588	0.0278	13
14	0.0288	0.0228	0.0508	9.10	11.2	2.50	2.58	0.387	0.057	0.228	0.0588	0.0268	14
15	0.0298	0.0218	0.0558	8.84	11.3	2.24	2.50	0.354	0.059	0.256	0.0598	0.0248	15
16	0.0288	0.0218	0.0638	8.24	11.3	2.08	2.48	0.337	0.052	0.265	0.0608	0.0278	16
17	0.0288	0.0218	0.0908	7.75	11.0	1.86	2.48	0.308	0.070	0.244	0.0618	0.0278	17
18	0.0278	0.0228	0.1548	8.43	10.3	1.81	2.44	0.282	0.062	0.286	0.0638	0.0278	18
19	0.0278	0.0238	0.3848	11.2	9.87	1.71	2.38	0.267	0.066	0.320	0.0648	0.0288	19
20	0.0268	0.0238	0.8388	13.4	9.82	1.66	2.28	0.258	0.065	0.333	0.0648	0.0308	20
21	0.0258	0.0238	1.05 B	12.8	9.09	1.83	2.12	0.234	0.072	0.328	0.0658	0.0308	21
22	0.0258	0.0238	3.00 B	12.3	8.41	4.41	2.02	0.206	0.063	0.333	0.0658	0.0288	22
23	0.0248	0.0248	11.2 B	12.2	7.99	4.85	1.82	0.183	0.059	0.283	0.0668	0.0278	23
24	0.0248	0.0248	8.90 B	12.3	7.82	4.06	1.84	0.166	0.103	0.273	0.0668	0.0268	24
25	0.0238	0.0248	8.36 B	11.8	7.54	3.88	1.76	0.155	0.113	0.278	0.0688	0.0258	25
26	0.0238	0.0248	6.78 B	11.3	7.08	3.74	1.67	0.138	0.065	0.274	0.0738	0.0258	26
27	0.0238	0.0258	9.70 B	11.1	6.82	3.65	1.61	0.130	0.054	0.307	0.0718	0.0258	27
28	0.0238	0.0268	12.9 B	11.1	6.20	3.45	1.63	0.108	0.066	0.336	0.0688	0.0258	28
29	0.0228		16.5 B	10.7	5.86	3.22	1.68	0.098	0.104	0.312	0.0658	0.0268	29
30	0.0228		16.0	10.8	5.64	3.10	1.65	0.091	0.088	0.314	0.0828	0.0278	30
31	0.0238		15.4		5.34		1.61	0.168		0.337		0.0278	31
TOTAL	0.719	0.651	111.966	338.80	289.89	105.64	76.36	15.757	2.118	7.182	3.177	1.019	TOTAL
MEAN	0.023	0.023	3.61	11.3	9.35	3.55	2.46	0.508	0.071	0.232	0.106	0.033	MEAN
MAX	0.328	0.026	16.5	14.6	11.4	5.40	3.80	1.51	0.113	0.337	0.372	0.059	MAX
MIN	0.018	0.021	0.026	7.75	5.34	1.66	1.61	0.091	0.052	0.086	0.047	0.024	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.61
MAXIMUM DAILY, 16.58 ON MAR 29
MINIMUM DAILY, 0.0168 ON JAN 1
MAXIMUM INSTANTANEOUS,
16.78 AT 07:24 CST ON MAR 29

SUMMAR. FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 18 N
LONG 99 02 03 W
DRAINAGE APEA, 4 490 km²

B - ICE CONDITIONS

REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	62.1	JUL	5 600
FEB	58.2	AUG	1 380
MAR	8 680	SEP	183
APR	28 300	OCT	821
MAY	25 100	NOV	274
JUN	9 210	DEC	88.0

TOTAL DISCHARGE, 82 500 dam³

PEMBINA RIVER NEAR KILLARNEY - STATION NO. 05DA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.17	0.970	0.089	0.012	0.087	0	0	---	---	1
2	---	---	0.0108	0.907	1.13	0.088	0.006	0.089	0	0	---	---	2
3	---	---	0.0308	0.904	1.12	0.108	0.012	0.089	0	0	---	---	3
4	---	---	0.0708	0.823	0.974	0.097	0.057	0.091	0	0	---	---	4
5	---	---	0.0888	1.08	1.15	0.085	0.090	0.085	0	0	---	---	5
6	---	---	0.0848	0.887	2.43	0.090	0.102	0.083	0	0	---	---	6
7	---	---	0.0828	0.705	5.48	0.106	0.081	0.078	0	0	---	---	7
8	---	---	0.0608	0.534	5.50	0.102	0.076	0.057	0	0.001	---	---	8
9	---	---	0.0588	0.395	3.88	0.091	0.062	0.035	0	0.003	---	---	9
10	---	---	0.0578	0.322	3.95	0.084	0.068	0.034	0	0.008	---	---	10
11	---	---	0.0378	0.281	3.56	0.083	0.085	0.027	0	0.012	---	---	11
12	---	---	0.0418	0.259	2.82	0.075	0.088	0.018	0	0.014	---	---	12
13	---	---	0.0588	0.231	2.28	0.070	0.088	0.016	0	0.014	---	---	13
14	---	---	0.1748	0.205	1.78	0.058	0.086	0.011	0	0.013	---	---	14
15	---	---	0.7258	0.198	1.45	0.048	0.085	0.003	0	0.014	---	---	15
16	---	---	2.45 B	0.166	1.17	0.048	0.092	0.001	0	0.013	---	---	16
17	---	---	3.56 B	0.296	1.02	0.047	0.102	0	0	0.007	---	---	17
18	---	---	2.99 B	1.71	0.903	0.038	0.106	0	0	0.004	---	---	18
19	---	---	1.88 B	5.75	0.807	0.035	0.088	0	0	0.001	---	---	19
20	---	---	1.37 B	5.05	0.733	0.049	0.070	0	0	0	---	---	20
21	---	---	0.8528	3.73	0.645	0.047	0.088	0	0	0	---	---	21
22	---	---	2.09 B	2.84	0.510	0.043	0.081	0	0	0	---	---	22
23	---	---	2.63 B	2.14	0.402	0.038	0.058	0	0	0	---	---	23
24	---	---	1.86 B	1.61	0.321	0.040	0.049	0	0	0	---	---	24
25	---	---	1.62 B	1.21	0.288	0.034	0.031	0	0	0	---	---	25
26	---	---	1.33 B	0.984	0.206	0.035	0.024	0	0	0	---	---	26
27	---	---	1.12 B	0.863	0.195	0.034	0.029	0	0	0	---	---	27
28	---	---	1.26 B	0.785	0.177	0.029	0.063	0	0	0	---	---	28
29	---		1.72 B	0.725	0.184	0.021	0.115	0	0	0	---	---	29
30	---		1.77 B	0.783	0.132	0.018	0.195	0	0	0	---	---	30
31	---		1.50		0.078		0.146	0		0.001		---	31
TOTAL	---	---	31.814	37.621	47.233	1.827	2.281	0.827	0	0.103	---	---	TOTAL
MEAN	---	---	1.03	1.25	1.52	0.061	0.074	0.027	0	0.003	---	---	MEAN
MAX	---	---	3.56	5.75	5.48	0.106	0.195	0.097	0	0.014	---	---	MAX
MIN	---	---	0	0.166	0.078	0.018	0.008	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.497
MAXIMUM DAILY, 5.48 ON MAY 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.07 AT 12:24 CST ON MAY 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 41 N
LONG 99 44 36 W
DRAINAGE AREA, 354 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	198
FEB	---	AUG	71.5
MAR	2 760	SEP	0
APR	3 250	OCT	8.90
MAY	4 080	NOV	---
JUN	158	DEC	---

TOTAL DISCHARGE, 10 500 dam³

PEMBINA RIVER NEAR WINDYGATES - STATION NO. 05OB007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.111B	0.083B	0.270B	22.0	18.7	11.0 E	3.75	2.80E	1.85	0.967	0.435E	0.160B	1
2	0.116B	0.113B	0.138B	20.0	18.7	11.2 E	3.65	2.78E	1.75	0.995	0.425E	0.158B	2
3	0.108B	0.124B	0.100B	18.9	18.6	20.0 E	3.50	2.76E	1.71	0.982	0.410E	0.156B	3
4	0.098B	0.116B	0.075B	19.5	18.0	18.0 E	3.56	2.73E	1.70	0.951	0.402E	0.154B	4
5	0.083B	0.101B	0.100B	18.7	17.4	15.0 E	3.65	2.70E	1.69	0.911	0.400E	0.152B	5
6	0.097B	0.084B	0.150B	18.0	18.3	13.0 E	3.57	2.67E	1.69	0.902	0.420B	0.150B	6
7	0.105B	0.047B	0.207B	17.4	22.7	12.0 E	3.60	2.64E	1.68	0.852	0.440B	0.148B	7
8	0.114B	0.030B	0.256B	16.9	25.3	11.0 E	3.44	2.62E	1.71	0.824	0.400B	0.146B	8
9	0.136B	0.020B	0.314B	16.4	23.5	10.2 E	3.25	2.60E	1.76	0.822	0.350B	0.144B	9
10	0.172B	0.019B	0.423B	16.2	21.3	9.40E	3.27	2.59E	1.68	0.809	0.310B	0.142B	10
11	0.242B	0.041B	0.417B	15.7	21.3	8.80E	3.27	2.57E	1.61	0.775	0.290B	0.140B	11
12	0.275B	0.084B	0.458B	15.4	25.9	8.40E	3.33	2.54E	1.53	0.759	0.275B	0.139B	12
13	0.189B	0.102B	0.400B	15.0	21.1	7.80E	3.34	2.51E	1.48	0.760	0.265B	0.138B	13
14	0.165B	0.117B	0.262B	15.0	19.1	7.20E	3.43	2.49E	1.42	0.728	0.255B	0.137B	14
15	0.172B	0.101B	0.243B	13.9	18.2	6.70E	3.33	2.47E	1.37	0.725	0.248B	0.136B	15
16	0.209B	0.070B	0.524B	12.5	17.7	6.40E	3.56A	2.45E	1.39	0.708	0.240B	0.135B	16
17	0.253B	0.041B	0.935B	12.5	17.1	6.00E	3.52E	2.42E	1.36	0.688	0.230B	0.134B	17
18	0.277B	0.033B	0.883B	16.3	16.8	5.70E	3.48E	2.39E	1.35	0.681	0.224B	0.133B	18
19	0.284B	0.030B	0.605B	24.8	16.4	5.35A	3.40E	2.36A	1.31	0.658	0.220B	0.132B	19
20	0.285B	0.035B	0.733B	28.4	16.2	6.80E	3.30E	2.08	1.27	0.614	0.216B	0.131B	20
21	0.305B	0.050B	1.34 B	27.0	15.5	8.40E	3.20E	2.13	1.25	0.615	0.210B	0.130B	21
22	0.356B	0.065B	12.5 B	24.6	15.0	7.60E	3.10E	2.19	1.19	0.598	0.205B	0.129B	22
23	0.285B	0.072B	22.1	21.4	14.3	6.80E	3.00E	2.23	1.13	0.567	0.200B	0.128B	23
24	0.244B	0.060B	17.8	19.4	13.8	6.00E	2.90E	2.21	1.09	0.558	0.197B	0.127B	24
25	0.182B	0.069B	21.2 B	18.7	13.2	5.40E	2.95E	2.19	1.15	0.523	0.193B	0.126B	25
26	0.092B	0.168B	21.3	18.5	12.8A	5.00E	3.10E	2.15	1.08	0.515	0.185B	0.125B	26
27	0.094B	0.259B	25.9 B	18.0	12.5E	4.60E	3.00E	2.15	1.05	0.485	0.176B	0.124B	27
28	0.118B	0.277B	30.6	18.0	12.1E	4.40E	2.97E	2.15	0.984	0.410	0.172B	0.123B	28
29	0.101B		32.4	17.7	11.9E	4.20E	2.94E	2.18	0.995	0.374	0.168B	0.122B	29
30	0.078B		28.6	18.2	11.6E	4.00E	2.90E	2.10	0.972	0.443A	0.164B	0.121B	30
31	0.072B		24.7		11.2E		2.85E	1.98		0.440E		0.120B	31
TOTAL	5.448	2.406	246.014	555.2	536.8	257.85	102.11	74.83	42.201	21.630	8.325	4.240	TOTAL
MEAN	0.176	0.086	7.94	18.5	17.3	8.60	3.29	2.41	1.41	0.698	0.278	0.137	MEAN
MAX	0.356	0.277	32.4	28.4	25.9	20.0	3.75	2.80	1.85	0.995	0.440	0.160	MAX
MIN	0.072	0.019	0.075	12.5	11.2	4.00	2.85	1.98	0.972	0.374	0.164	0.120	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.09
MAXIMUM DAILY, 32.4 ON MAR 29
MINIMUM DAILY, 0.019B ON FEB 10
MAXIMUM INSTANTANEOUS,
34.9 AT 21.32 CST ON MAR 28

SUMMARY FOR THE YEAR 1985

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 53 N
LONG 98 16 40 W
DRAINAGE AREA, 7 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	471	JUL	8 820
FEB	208	AUG	6 470
MAR	21 300	SEP	3 650
APR	48 100	OCT	1 870
MAY	46 400	NOV	719
JUN	22 300	DEC	366

TOTAL DISCHARGE, 181 000 dam³

PIGEON RIVER AT OUTLET OF ROUND LAKE - STATION NO. 05RD008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	95.5E	70.5A	54.5	44.7	97.0	223	184	109 E	58.1	---	---	---	1
2	96.3E	70.0E	53.8	45.3	99.4	227	180	107 E	56.8	---	---	---	2
3	96.1A	69.8A	52.9	46.5	101	232	176	105 E	56.2	---	---	---	3
4	95.6A	68.6A	51.9	48.0	104	233	173	103 E	57.8	---	---	---	4
5	94.3A	67.4A	51.4	47.2	105	235	169	101 E	56.9	---	---	---	5
6	94.1E	66.7A	50.6	47.8	112	238	164	99.0E	53.7	---	---	---	6
7	93.8E	66.1A	49.4	51.1	120	242	158A	97.0E	---	---	---	---	7
8	93.6E	64.8E	49.3	56.1	122	243	154E	95.0E	---	---	---	---	8
9	93.2E	64.2E	49.5	59.5	124	244	152E	93.5E	---	---	---	---	9
10	93.0A	62.5A	49.0	63.1	128	248	149E	91.5E	---	---	---	---	10
11	91.4A	61.8A	48.8	66.5	131	249	148E	89.5E	---	---	---	---	11
12	88.8E	61.2A	48.3	67.4	133	248	146E	88.8A	---	---	---	---	12
13	85.9A	61.0A	48.0	66.6	135	243	144E	86.8	---	---	---	---	13
14	85.3A	60.0A	47.7	66.2	137	241	143E	84.9	---	---	---	---	14
15	84.7A	59.2A	47.0	66.7	139	238	140E	82.8	---	---	---	---	15
16	84.4A	57.9A	46.4	67.6	141	236	139E	80.3	---	---	---	---	16
17	83.6A	58.4A	45.8	69.5	144	233	137E	78.1	---	---	---	---	17
18	82.4A	59.1A	45.1	71.5	148	231	135E	75.8	---	---	---	---	18
19	81.2A	58.1A	44.4	74.2	152	228	133E	74.7	---	---	---	---	19
20	80.1A	57.8A	44.1	76.7	158	225	131E	73.2	---	---	---	---	20
21	78.7A	57.0A	44.0	77.0	164	221	129E	71.3	---	---	---	---	21
22	76.2A	56.5	43.7	77.4	169	217	127E	69.6	---	---	---	---	22
23	75.7A	56.6	43.0	78.6	175	212	125E	68.7	---	---	---	---	23
24	76.3A	56.8	42.7	80.3	180	209	124E	67.4	---	---	---	---	24
25	75.3A	56.9	42.8	80.9	185	207	122E	67.0	---	---	---	---	25
26	73.3A	56.6	42.5	81.9	191	205	120E	65.8	---	---	---	---	26
27	71.5A	55.8	42.5	83.3	197	201	118E	64.2	---	---	---	---	27
28	72.6A	55.1	43.8	86.1	203	196	116E	63.2	---	---	---	---	28
29	72.6A		43.0	91.8	208	192	114E	61.8	---	---	---	---	29
30	70.9A		43.1	94.9	213	188	112E	60.8	---	---	---	---	30
31	70.1A		43.4		217		111E	59.4	---	---	---	---	31
TOTAL	2 609.5	1 718.5	1 451.2	2 031.5	4 632.4	6 785	4 373	2 535.3	---	---	---	---	TOTAL
MEAN	84.2	61.3	46.8	67.7	149	226	141	81.8	---	---	---	---	MEAN
MAX	96.5	70.5	54.5	94.9	217	249	184	109	---	---	---	---	MAX
MIN	70.1	55.1	42.5	44.7	97.0	188	111	59.4	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 249 ON JUN 11

MAXIMUM INSTANTANEOUS,
260 AT 18.32 CST ON JUN 11

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 49 N
LONG 96 23 37 W

A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	225 000	JUL	378 000
FEB	148 000	AUG	219 000
MAR	125 000	SEP	---
APR	176 000	OCT	---
MAY	400 000	NOV	---
JUN	586 000	DEC	---

PILOT CREEK NEAR PILOT MOUND - STATION NO. 05OB028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.756	0.285	0	0	0	0	0	---	---	1
2	---	---	0 B	0.842	0.231	0.002	0	0	0	0	---	---	2
3	---	---	0 B	0.815	0.210	0.001	0	0	0	0	---	---	3
4	---	---	0 B	0.405	0.189	0	0	0	0.453	0	---	---	4
5	---	---	0 B	0.414	0.208	0.001	0	0	0	0	---	---	5
6	---	---	0 B	0.467	0.272	0	0	0	0	0	---	---	6
7	---	---	0 B	0.445	0.238	0	0	0	0	0	---	---	7
8	---	---	0 B	0.509	0.198	0	0	0	0	0	---	---	8
9	---	---	0 B	0.545	0.201	0	0	0	0	0	---	---	9
10	---	---	0 B	0.305	0.181	0	0	0	0	0	---	---	10
11	---	---	0 B	0.084	0.172	0	0	0	0	0	---	---	11
12	---	---	0 B	0.270	0.149	0	0	0	0	0	---	---	12
13	---	---	0 B	0.278	0.134	0	0	0	0	0	---	---	13
14	---	---	0 B	0.266	0.121	0	0	0	0	0	---	---	14
15	---	---	0 B	0.217	0.108	0	0	0	0	0	---	---	15
16	---	---	0 B	0.201	0.095	0	0.001	0	0	0	---	---	16
17	---	---	0 B	0.284	0.085	0	0.017	0	0	0	---	---	17
18	---	---	0 B	0.467	0.077	0	0.024	0	0	0	---	---	18
19	---	---	0 B	0.988	0.068	0	0.014	0	0	0	---	---	19
20	---	---	0 B	0.686	0.064	0	0.007	0	0	0	---	---	20
21	---	---	0.0338	0.495	0.058	0	0.001	0	0	0	---	---	21
22	---	---	1.41 B	0.374	0.045	0	0	0	0	0	---	---	22
23	---	---	1.19 B	0.335	0.027	0	0	0	0	0	---	---	23
24	---	---	0.7008	0.295	0.026	0	0	0	0	0	---	---	24
25	---	---	0.9578	0.264	0.028	0	0	0	0	0	---	---	25
26	---	---	0.6268	0.244	0.023	0	0	0	0	0	---	---	26
27	---	---	0.6948	0.226	0.018	0	0	0	0	0	---	---	27
28	---	---	1.05 B	0.225	0.013	0	0	0	0	0	---	---	28
29	---		0.8618	0.214	0.008	0	0	0	0	0	---	---	29
30	---		0.7648	0.284	0.005	0	0	0	0	0	---	---	30
31	---		0.716		0.002		0			0		---	31
TOTAL	---	---	9.411	11.733	3.526	0.004	0.054	0	0.453	0	---	---	TOTAL
MEAN	---	---	0.304	0.391	0.114	0	0.002	0	0.015	0	---	---	MEAN
MAX	---	---	1.41	0.988	0.272	0.002	0.024	0	0.453	0	---	---	MAX
MIN	---	---	0	0.084	0.002	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.103
MAXIMUM DAILY, 1.410 ON MAR 22
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
3.030 AT 22:26 CST ON MAR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 24 N
LONG 98 57 06 W
DRAINAGE AREA, 147 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5.53
FEB	---	AUG	0
MAR	813	SEP	39.1
APR	1 010	OCT	0
MAY	305	NOV	---
JUN	0.35	DEC	---

TOTAL DISCHARGE, 2 170 dam³

PILOT MOUND RESERVOIR NEAR PILOT MOUND - STATION NO. 05OB803

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	451.813	451.730E	451.708E	---	451.592	451.372	451.302	---	1
2	---	---	---	---	451.811E	451.721	451.711	---	451.547E	451.372E	451.302E	451.382	2
3	---	---	451.560	---	451.808	451.721E	451.714E	---	451.502	451.372E	451.302	---	3
4	---	---	---	---	451.808E	451.721	451.717E	---	451.412	451.372	451.287E	---	4
5	---	---	---	---	451.803	451.721E	451.721	---	451.457E	451.372E	451.272	---	5
6	---	---	---	---	451.798E	451.721E	451.721E	---	451.502	451.372	451.272E	---	6
7	---	---	---	---	451.793	451.721	451.721	---	451.447E	451.367E	451.272E	---	7
8	451.586	---	---	---	451.788E	451.721E	451.731E	---	451.382	451.362	451.272	---	8
9	---	---	---	451.741	451.789E	451.721	451.741	---	451.393E	451.359E	---	---	9
10	---	---	---	---	451.803	451.711E	451.747E	---	451.382	451.356E	---	---	10
11	---	451.589	---	---	451.803E	451.711	451.756E	---	451.388E	451.352	---	---	11
12	---	---	---	---	451.803	451.698E	451.761	---	451.379E	451.352E	---	---	12
13	---	---	---	---	451.803E	451.695E	451.761E	---	451.372	451.352	---	---	13
14	---	---	---	---	451.803	451.691	451.761	---	451.372E	451.347E	---	---	14
15	---	---	---	---	451.800E	451.698E	451.761E	---	451.372	451.342	---	---	15
16	---	---	---	---	451.797E	451.701	451.761	---	451.372E	451.342E	---	---	16
17	---	---	---	---	451.793	451.698E	451.761E	---	451.372	451.342E	---	---	17
18	---	---	---	---	451.793E	451.691	451.761E	451.661	451.388E	451.342	---	---	18
19	---	---	---	---	451.793	451.701	451.751	451.661E	451.366E	451.342	---	---	19
20	---	---	---	---	451.793E	451.711E	451.761E	451.661	451.362	451.338E	451.389	---	20
21	---	---	---	---	451.793	451.721	451.761	451.661E	451.362E	451.336E	---	---	21
22	---	---	---	---	451.787E	451.711E	451.761E	451.661E	451.362	451.332	---	---	22
23	451.576	---	---	---	451.780E	451.701	451.761	451.661	451.352E	451.329E	---	---	23
24	---	---	---	---	451.773	451.701E	451.761E	451.661E	451.342	451.326E	---	---	24
25	---	---	451.515	---	451.773E	451.701	451.761E	451.652	451.348E	451.322	---	---	25
26	---	---	---	---	451.770E	451.698E	451.761	451.642E	451.356E	451.322E	---	---	26
27	---	---	---	---	451.768E	451.695E	451.758E	451.632	451.362	451.322	---	---	27
28	---	---	---	---	451.766	451.691	451.754E	451.612E	451.362	451.312E	---	---	28
29	---		---	---	451.767E	451.698E	451.750E	451.602E	451.372E	451.302	---	---	29
30	---		---	451.815	451.748E	451.701	451.746	451.592	451.383	451.302E	---	---	30
31	---		---		451.739E		451.748E	451.592E		451.302E		---	31
MEAN	---	---	---	---	451.788	451.707	451.747	---	451.399	451.343	---	---	MEAN
MAX	---	---	---	---	451.813	451.730	451.761	---	451.592	451.372	---	---	MAX
MIN	---	---	---	---	451.739	451.691	451.706	---	451.342	451.302	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 20 13 N
LONG 98 57 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1986

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PINE CREEK DIVERSION NEAR PINEY - STATION NO. 0680027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1988	0.1988	0.2408	4.658	9.78	0.251	0.189	0.257	0.141	0.423	0.306	0.2268	1
2	0.1988	0.1988	0.2408	4.988	6.66	0.238	0.189	0.238	0.189	0.530	0.3048	0.2238	2
3	0.1988	0.1988	0.2408	4.378	3.61	0.270	0.151	0.223	0.390	0.664	0.3028	0.2208	3
4	0.1978	0.1988	0.2388	2.788	2.61	0.253	0.439	0.218	0.385	0.527	0.2988	0.2178	4
5	0.1978	0.1988	0.2378	2.18	6.96	0.218	1.23	0.201	0.303	0.447	0.2988	0.2148	5
6	0.1978	0.1988	0.2368	2.92	7.63	0.195	2.25	0.171	0.262	0.416	0.2938	0.2118	6
7	0.1978	0.1988	0.2358	2.84	4.33	0.268	1.35	0.200	0.200	0.382	0.2908	0.2108	7
8	0.1988	0.1988	0.2358	2.49	2.83	0.228	0.791	0.288	0.182	0.376	0.2878	0.2068	8
9	0.1968	0.1988	0.2328	2.10	2.37	0.195	0.557	0.284	0.170	0.338	0.2848	0.2078	9
10	0.1988	0.1988	0.2298	1.87	2.20	0.204	0.477	0.262	0.153	0.319	0.2818	0.2058	10
11	0.1968	0.1988	0.2288	1.70	1.89	0.178	0.484	0.253	0.150	0.322	0.2788	0.2028	11
12	0.1968	0.1968	0.2268	1.51	3.15	0.185	0.438	0.220	0.150	0.306	0.2758	0.2008	12
13	0.1968	0.1968	0.2308	1.28	3.14	0.158	0.405	0.193	0.150	0.295	0.2728	0.1978	13
14	0.1968	0.1968	0.2328	1.18	2.36	0.167	0.380	0.174	0.147	0.280	0.2698	0.1978	14
15	0.1968	0.1968	0.2388	1.17	1.86	0.337	0.554	0.158	0.143	0.507	0.2668	0.1968	15
16	0.1968	0.1968	0.2428	1.12	1.52	0.563	0.452	0.147	0.138	0.334	0.2638	0.1958	16
17	0.1968	0.1968	0.2508	1.06	1.28	0.344	0.387	0.143	0.186	0.332	0.2608	0.1938	17
18	0.1968	0.1968	0.2628	1.08	1.11	0.272	0.366	0.134	0.299	0.330	0.2578	0.2008	18
19	0.1968	0.1968	0.2808	2.57	0.938	0.230	0.340	0.121	0.251	0.328	0.2548	0.2018	19
20	0.1968	0.1968	0.7628	2.18	0.784	0.357	0.281	0.440	0.261	0.326	0.2518	0.2028	20
21	0.1968	0.1968	1.28 e	2.39	0.685	0.474	0.324	0.535	0.247	0.324	0.2488	0.2028	21
22	0.1968	0.1968	1.78 e	1.91	0.580	0.348	0.267	0.293	0.338	0.322	0.2458	0.2038	22
23	0.1968	0.1968	2.28 e	1.60	0.516	0.291	0.256	0.269	0.476	0.320	0.2428	0.2048	23
24	0.1968	0.1968	2.78 e	1.54	0.512	0.258	0.323	0.252	0.453	0.319	0.2398	0.2048	24
25	0.1968	0.1968	3.28 e	1.40	0.454	0.229	0.287	0.241	0.564	0.318	0.2368	0.2058	25
26	0.1968	0.1968	3.80 e	2.78	0.417	0.212	0.251	0.200	0.927	0.317	0.2378	0.2058	26
27	0.1968	0.2008	4.30 e	3.62	0.386	0.209	0.645	0.164	0.682	0.318	0.2368	0.2068	27
28	0.1968	0.2188	4.41 e	7.35	0.362	0.180	0.718	0.153	0.563	0.314	0.2358	0.2078	28
29	0.1968		4.52 e	6.58	0.321	0.167	0.467	0.146	0.458	0.312	0.2328	0.2068	29
30	0.1968		4.63 e	5.65	0.298	0.151	0.382	0.143	0.463	0.310	0.2298	0.2068	30
31	0.1968		4.74 e		0.271		0.298	0.139		0.308		0.2068	31
TOTAL	6.086	5.514	43.170	84.35	71.870	7.582	15.782	6.840	9.383	11.263	7.968	6.297	TOTAL
MEAN	0.196	0.197	1.39	2.81	2.32	0.253	0.509	0.221	0.313	0.363	0.257	0.206	MEAN
MAX	0.198	0.218	4.74	7.35	9.78	0.563	2.25	0.535	0.927	0.664	0.306	0.226	MAX
MIN	0.196	0.196	0.226	1.04	0.271	0.167	0.151	0.121	0.138	0.280	0.229	0.197	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.757
MAXIMUM DAILY, 9.78 ON MAY 1
MINIMUM DAILY, 0.121 ON AUG 19
MAXIMUM INSTANTANEOUS,
10.3 AT 05 23 CST ON MAY 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 01 25 N
LONG 95 58 40 W
DRAINAGE AREA, 157 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	526	JUL	1 360
FEB	476	AUG	591
MAR	3 730	SEP	811
APR	7 290	OCT	973
MAY	6 210	NOV	688
JUN	655	DEC	553

TOTAL DISCHARGE, 23 800 dam³

PINE CREEK NEAR MELBOURNE - STATION NO. 05LL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1018	0.1078	0.1138	1.42	0.534	0.103	0.149	0.121	0.159	0.177	0.3178	0.1948	1
2	0.0998	0.1088	0.1098	1.23	0.809	0.130	0.146	0.104	0.158	0.184	0.3298	0.1938	2
3	0.1018	0.1088	0.1098	0.986	0.563	0.159	0.152	0.094	0.159	0.187	0.3298	0.1918	3
4	0.1008	0.1108	0.1108	0.891	0.513	0.138	0.125	0.110	0.164	0.188	0.3228	0.1838	4
5	0.1028	0.1088	0.1108	0.739	0.766	0.120	0.123	0.124	0.182	0.181	0.3248	0.1788	5
6	0.0978	0.1088	0.1058	0.828	1.77	0.141	0.148	0.147	0.168	0.183	0.3228	0.1768	6
7	0.0978	0.1088	0.1058	0.667	2.24	0.148	0.124	0.154	0.147	0.218	0.2868	0.1688	7
8	0.0978	0.1088	0.1108	0.606	1.68	0.123	0.120	0.162	0.156	0.232	0.2748	0.1678	8
9	0.0948	0.1068	0.1118	0.624	0.890	0.114	0.134	0.169	0.164	0.220	0.2808	0.1618	9
10	0.0968	0.1058	0.1098	0.367	0.747	0.258	0.140	0.166	0.174	0.209	0.2658	0.1588	10
11	0.1028	0.1058	0.1078	0.344	0.551	0.244	0.148	0.167	0.177	0.240	0.2578	0.1538	11
12	0.1008	0.1058	0.1078	0.352	0.533	0.172	0.138	0.163	0.166	0.215	0.2538	0.1538	12
13	0.1008	0.1048	0.1108	0.288	0.416	0.128	0.108	0.160	0.178	0.195	0.2408	0.1538	13
14	0.0998	0.1038	0.1148	0.248	0.345	0.122	0.118	0.166	0.166	0.194	0.2358	0.1538	14
15	0.0988	0.1038	0.1238	0.265	0.318	0.131	0.104	0.190	0.198	0.236	0.2328	0.1588	15
16	0.0988	0.1058	0.1358	0.285	0.286	0.145	0.095	0.178	0.215	0.247	0.2308	0.1578	16
17	0.0998	0.1078	0.1538	0.302	0.241	0.132	0.163	0.174	0.246	0.204	0.2268	0.1568	17
18	0.1028	0.1048	0.1548	0.478	0.202	0.186	0.265	0.162	0.207	0.199	0.2208	0.1568	18
19	0.1068	0.1048	0.1418	0.817	0.182	0.181	0.235	0.181	0.200	0.198	0.2188	0.1568	19
20	0.1088	0.1058	0.1348	0.876	0.185	0.242	0.257	0.184	0.208	0.203	0.2168	0.1578	20
21	0.1068	0.1078	0.1788	0.777	0.178	0.286	0.238	0.180	0.194	0.258	0.2138	0.1568	21
22	0.1068	0.1068	0.8948	1.12	0.172	0.238	0.188	0.195	0.180	0.294	0.2128	0.1568	22
23	0.1068	0.1098	0.5308	0.808	0.181	0.180	0.176	0.186	0.187	0.288	0.2118	0.1618	23
24	0.1108	0.1088	1.48	0.672	0.148	0.181	0.113	0.181	0.166	0.288	0.2138	0.1608	24
25	0.1088	0.1088	1.92	0.478	0.139	0.150	0.082	0.188	0.171	0.291	0.2148	0.1588	25
26	0.1048	0.1088	1.26	0.510	0.134	0.223	0.074	0.180	0.188	0.295	0.2118	0.1578	26
27	0.1078	0.1088	1.12	0.516	0.134	0.223	0.097	0.167	0.169	0.308	0.2088	0.1568	27
28	0.1078	0.1078	1.27	0.513	0.124	0.190	0.078	0.160	0.161	0.329	0.2068	0.1568	28
29	0.1038		2.05	0.460	0.117	0.170	0.094	0.161	0.166	0.336	0.2018	0.1618	29
30	0.1028		2.74	0.526	0.114	0.153	0.095	0.168	0.169	0.316	0.1978	0.1628	30
31	0.1038		1.94		0.108		0.093	0.161		0.326		0.1668	31
TOTAL	3.154	2.988	17.551	18.594	15.408	5.119	4.318	5.058	5.387	7.435	7.480	5.070	TOTAL
MEAN	0.102	0.107	0.566	0.620	0.497	0.171	0.139	0.163	0.180	0.240	0.249	0.164	MEAN
MAX	0.110	0.110	2.74	1.42	2.24	0.286	0.265	0.190	0.246	0.329	0.329	0.194	MAX
MIN	0.094	0.103	0.105	0.248	0.108	0.103	0.074	0.094	0.147	0.177	0.187	0.153	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.267
MAXIMUM DAILY, 2.74 ON MAR 30
MINIMUM DAILY, 0.074 ON JUL 26
MAXIMUM INSTANTANEOUS,
4.15 AT 11:42 CST ON MAR 30

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 99 12 30 W
DRAINAGE AREA, 284 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	272	JUL	373
FEB	258	AUG	427
MAR	1 920	SEP	485
APR	1 610	OCT	642
MAY	1 330	NOV	645
JUN	442	DEC	438

TOTAL DISCHARGE, 8 430 dam³

PINE CREEK NEAR PINE CREEK STATION - STATION NO. 08LL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4178	7.08	4.35	0.507	---	---	---	---	---	---	1
2	---	---	0.4188	7.76	3.90	0.465	---	---	---	---	---	---	2
3	---	---	0.4188	7.35	3.53	0.490	---	---	---	---	---	---	3
4	---	---	0.4158	6.07	3.20	0.433	---	---	---	---	---	---	4
5	---	---	0.4158	5.07	4.18	0.418	---	---	---	---	---	---	5
6	---	---	0.4148	4.27	11.0	0.447	---	---	---	---	---	---	6
7	---	---	0.4148	3.78	10.2	0.440	---	---	---	---	---	---	7
8	---	---	0.4138	3.30	8.28	0.427	---	---	---	---	---	---	8
9	---	---	0.4138	2.94	6.63	0.441	---	---	---	---	---	---	9
10	---	---	0.4158	2.67	5.61	0.461	---	---	---	---	---	---	10
11	---	---	0.4158	2.43	5.52	0.427	---	---	---	---	---	---	11
12	---	---	0.4178	2.11	4.78	0.416	---	---	---	---	---	---	12
13	---	---	0.4128	1.89	3.87	0.443	---	---	---	---	---	---	13
14	---	---	0.4268	1.668	3.22	0.521	---	---	---	---	---	---	14
15	---	---	0.4288	1.638	2.72	0.539	---	---	---	---	---	---	15
16	---	---	0.4628	1.808	2.34	0.484	---	---	---	---	---	---	16
17	---	---	0.5618	1.77	2.03	0.480	---	---	---	---	---	---	17
18	---	---	0.5398	2.85	1.85	0.463	---	---	---	---	---	---	18
19	---	---	0.4048	5.85	1.73	0.442	---	---	---	---	---	---	19
20	---	---	0.4128	5.62	1.55	0.407	---	---	---	---	---	---	20
21	---	---	0.4898	6.06	1.46	0.623	---	---	---	---	---	---	21
22	---	---	1.55 E	4.50	1.31	0.716	---	---	---	---	---	---	22
23	---	---	2.74 E	3.98	1.16	0.699	---	---	---	---	---	---	23
24	---	---	4.22 E	3.30	1.05	0.683	---	---	---	---	---	---	24
25	---	---	5.78 E	3.32	0.986	0.838	---	---	---	---	---	---	25
26	---	---	5.78 E	3.08	0.995	0.947	---	---	---	---	---	---	26
27	---	---	5.61 E	2.85	0.909	0.859	---	---	---	---	---	---	27
28	---	---	5.58 E	2.46	0.716	1.05	---	---	---	---	---	---	28
29	---		7.48 E	2.50	0.650	0.821	---	---	---	---	---	---	29
30	---		8.23 E	3.11	0.802	0.644	---	---	---	---	---	---	30
31	---		8.88 E		0.595		---	---	---	---	---	---	31
TOTAL	---	---	84.784	118.43	101.783	16.339	---	---	---	---	---	---	TOTAL
MEAN	---	---	2.09	3.85	3.28	0.544	---	---	---	---	---	---	MEAN
MAX	---	---	8.88	7.88	11.0	1.05	---	---	---	---	---	---	MAX
MIN	---	---	0.404	1.60	0.595	0.407	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.44
MAXIMUM DAILY, 11.0 ON MAY 6
MINIMUM DAILY, 0.4048 ON MAR 19
MAXIMUM INSTANTANEOUS,
11.7 AT 12:00 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 60 03 40 N
LONG 98 56 49 W
DRAINAGE AREA, 635 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	5 600	SEP	---
APR	9 970	OCT	---
MAY	8 780	NOV	---
JUN	1 410	DEC	---

TOTAL DISCHARGE, 25 800 dam³

PINE RIVER NEAR PINE RIVER - STATION NO. 08LG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1148	1.76 B	2.21	1.57	0.230	0.0958	0.023E	4.76	---	---	1
2	---	---	0.1068	1.42 B	1.89	1.57	0.198	0.0898	0.017E	4.04	---	---	2
3	---	---	0.1008	0.9628	2.53	1.50	0.169	0.0478	0.017E	3.64	---	---	3
4	---	---	0.0928	0.9628	4.94	1.38	0.140	0.0368	0.010E	3.24	---	---	4
5	---	---	0.0898	1.16 B	5.73	1.54	0.618	0.023E	0.038A	2.89	---	---	5
6	---	---	0.0908	0.8508	5.65	2.37	1.71	0.593E	0.033A	2.66	---	---	6
7	---	---	0.0988	1.43 B	5.18	2.20	1.56 A	0.773E	0.048A	2.62	---	---	7
8	---	---	0.1108	2.16 B	5.66	1.81	1.45 E	0.761E	0.038A	2.32	---	---	8
9	---	---	0.1408	2.68 B	5.40	1.76	1.40 E	1.89 E	0.041	2.14	---	---	9
10	---	---	0.1708	3.63 B	5.45	1.69	1.38 E	1.86 E	0.035	2.23	---	---	10
11	---	---	0.1878	3.87 B	5.81	1.71	1.62 E	1.27 E	0.028E	2.27	---	---	11
12	---	---	0.1888	3.45 B	5.39	1.48	2.60 E	1.13 E	0.068A	2.12	---	---	12
13	---	---	0.2088	2.85 B	5.36	1.39	2.54 E	0.878E	0.133	2.06	---	---	13
14	---	---	0.2158	2.00 B	5.01	1.30	2.43 E	0.838E	0.087	1.97	---	---	14
15	---	---	0.2388	2.45 B	5.41	1.13	2.26 E	0.765E	0.075	1.92	---	---	15
16	---	---	0.2508	2.20 B	5.36	1.04	2.08 A	0.838E	0.082	1.85	---	---	16
17	---	---	0.2548	1.81	5.16	0.921	1.72 A	0.833E	0.155	1.76	---	---	17
18	---	---	0.2408	1.54	4.56	0.857	1.52 E	0.475E	0.189	1.67	---	---	18
19	---	---	0.1848	1.60	4.18	0.795	1.37 E	0.407A	0.141	1.57	---	---	19
20	---	---	0.1608	2.05	3.84	0.845	1.14 E	0.370	0.121	1.46	---	---	20
21	---	---	0.1388	1.78	3.80	0.715	1.01 E	0.327	0.105	1.41	---	---	21
22	---	---	0.1808	1.84	3.36	0.647	0.913E	0.354	0.140	1.32	---	---	22
23	---	---	0.2908	2.69	2.88	0.686	0.838E	0.187	0.182	1.24	---	---	23
24	---	---	0.2708	2.83	2.76	0.633	0.765E	0.156	0.248	1.16	---	---	24
25	---	---	0.2508	2.89	2.59	0.570	0.731E	0.170	0.634	1.12	---	---	25
26	---	---	0.2328	2.76	2.42	0.685	0.701E	0.155	5.84	1.08	---	---	26
27	---	---	0.2068	2.67	2.28	0.633	0.663E	0.093	9.47	1.04	---	---	27
28	---	---	0.4858	2.33	2.10	0.398	0.635E	0.043	8.62	0.436	---	---	28
29	---		0.7738	2.12	1.88	0.334	0.641E	0.039A	7.16	0.823	---	---	29
30	---		1.14 E	2.50	1.77	0.280	0.653E	0.031E	5.81	0.7948	---	---	30
31	---		1.08 E		1.84		0.671E	0.028E		1.00 E		---	31
TOTAL	---	---	8.345	65.204	124.37	34.439	36.223	17.809	39.445	61.123	---	---	TOTAL
MEAN	---	---	0.269	2.21	4.01	1.15	1.17	0.565	1.31	1.97	---	---	MEAN
MAX	---	---	1.14	3.87	5.45	2.37	2.60	1.89	9.47	4.76	---	---	MAX
MIN	---	---	0.088	0.850	1.84	0.280	0.140	0.028	0.010	0.794	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.88
MAXIMUM DAILY, 9.47 ON SEP 27
MINIMUM DAILY, 0.0108 ON SEP 4
MAXIMUM INSTANTANEOUS,
10.2 AT 04:10 CST ON SEP 27

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 49 00 N
LONG 100 32 00 W
DRAINAGE AREA, 210 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 130
FEB	---	AUG	1 910
MAR	731	SEP	3 410
APR	5 720	OCT	5 280
MAY	10 700	NOV	---
JUN	3 990	DEC	---

TOTAL DISCHARGE, 33 900 dam³

PIPESTONE CREEK NEAR PIPESTONE - STATION NO. 05NC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2818	0.3568	0.1088	10.8	1.48	2.14	0.510	0.072	0.018	0.043	1.05	0.0448	1
2	0.2868	0.3758	0.1108	4.99	1.51	2.08	0.467	0.078	0.021	0.050	1.11	0.0368	2
3	0.2818	0.3948	0.0988	5.85	1.51	1.98	0.421	0.080	0.025	0.044	1.05	0.0298	3
4	0.2688	0.4228	1.13 E	4.65	1.57	1.82	0.418	0.073	0.027	0.048	1.01	0.0248	4
5	0.2428	0.4468	0.9838	4.22	1.72	1.81	0.924	0.087	0.025	0.057	1.11	0.0228	5
6	0.2288	0.4618	0.3168	4.06	2.18	1.74	0.417	0.087	0.025	0.089	1.12	0.0218	6
7	0.2248	0.4678	0.0828	3.78	5.11	1.63	0.358	0.101	0.024	0.080	1.07	0.0258	7
8	0.1928	0.4858	0.0708	2.31	4.85	1.40	0.588	0.072	0.024	0.086	1.14 E	0.0358	8
9	0.1698	0.4658	0.1328	1.51	3.84	1.52	0.602	0.068	0.024	0.109	1.23 E	0.0498	9
10	0.1698	0.4388	0.1268	1.23	4.43	1.47	0.405	0.063	0.023	0.133	1.11 E	0.0508	10
11	0.1698	0.4118	0.0978	1.13	5.05	1.27	0.387	0.057	0.024	0.144	0.7988	0.0628	11
12	0.2188	0.3938	0.0488	1.01	4.83	1.14	0.337	0.032	0.025	0.120	0.5218	0.0678	12
13	0.2448	0.3808	0.9688	0.935	4.93	1.03	0.494	0.032	0.023	0.292	0.5568	0.0698	13
14	0.2118	0.3768	4.32 E	0.903	5.18	1.01	0.376	0.031	0.022	0.744	0.4488	0.0678	14
15	0.2988	0.3638	8.10 E	0.880	4.82	0.997	0.293	0.025	0.021	0.685	0.4228	0.0688	15
16	0.4638	0.3478	7.88 E	0.740	4.82	0.975	0.308	0.018	0.022	0.540	0.4448	0.0658	16
17	0.5208	0.3388	7.36 E	0.725	4.70	0.890	0.189	0.014	0.025	0.649	0.6288	0.0638	17
18	0.5148	0.3098	8.27 E	0.808	4.88	0.863	0.244	0.013	0.023	0.859	0.7648	0.0618	18
19	0.4818	0.2818	4.32 E	0.781	4.13	0.881	0.302	0.013	0.024	0.717	0.7028	0.0608	19
20	0.4618	0.2388	5.88 E	0.741	3.78	0.887	0.258	0.013	0.026	0.881	0.4078	0.0598	20
21	0.4628	0.1978	8.37 E	0.777	3.53	0.870	0.196	0.011	0.028	0.655	0.2568	0.0548	21
22	0.4488	0.1808	12.4 E	1.03	3.30	1.09	0.155	0.011	0.028	0.555	0.1988	0.0488	22
23	0.4348	0.1448	14.6 E	1.38	3.04	1.73	0.148	0.009	0.026	0.643	0.1368	0.0448	23
24	0.4248	0.1368	12.6 E	1.30	2.83	1.26	0.135	0.010	0.029	0.646	0.1268	0.0448	24
25	0.4388	0.1278	14.3 E	1.33	2.71	1.16	0.116	0.011	0.038	0.620	0.1448	0.0418	25
26	0.3448	0.1298	14.5 E	1.63	2.74	1.19	0.099	0.012	0.037	0.595	0.1488	0.0428	26
27	0.3298	0.1158	11.7 E	1.39	2.68	1.01	0.083	0.012	0.036	0.589	0.1118	0.0428	27
28	0.3528	0.1068	12.1 E	1.32	2.60	0.882	0.140	0.012	0.036	0.591	0.0988	0.0428	28
29	0.3618		12.2 E	1.37	2.39	0.864	0.118	0.014	0.041	0.593	0.0758	0.0418	29
30	0.3588		12.6 E	1.44	2.34	0.878	0.094	0.013	0.044	0.593	0.0598	0.0488	30
31	0.3648		12.8 E		2.27		0.076	0.018		0.703		0.0508	31
TOTAL	10.380	8.785	183.249	89.454	108.19	37.887	9.190	1.071	0.818	12.804	18.033	1.485	TOTAL
MEAN	0.335	0.314	5.91	2.32	3.39	1.26	0.284	0.035	0.027	0.415	0.601	0.047	MEAN
MAX	0.520	0.467	14.6	10.8	5.18	2.14	0.588	0.101	0.044	0.744	1.23	0.068	MAX
MIN	0.169	0.106	0.052	0.725	1.48	0.578	0.076	0.009	0.018	0.043	0.059	0.021	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.26
MAXIMUM DAILY, 14.58 ON MAR 23
MINIMUM DAILY, 0.009 ON AUG 23
MAXIMUM INSTANTANEOUS,
16.58 AT 11:53 CST ON MAR 23

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 40 N
LONG 100 56 30 W
DRAINAGE AREA, 6 200 km²

E - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	838	JUL	786
FEB	760	AUG	92.5
MAR	15 800	SEP	70.5
APR	8 080	OCT	1 110
MAY	9 410	NOV	1 560
JUN	3 260	DEC	127

TOTAL DISCHARGE, 39 500 dam³

PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05NC024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1278	0.2908	0.1818 E	6.00	1.47	0.887	0.348	0.033	0.021	0.050	1.01	0.0778	1
2	0.1308	0.2918	0.7388 E	5.89	1.52	0.949	0.278	0.035	0.023	0.051	0.817	0.0808	2
3	0.1238	0.2318	0.4778 E	4.70	1.42	0.684	0.251	0.034	0.023	0.048	1.31	0.0748	3
4	0.1158	0.2238	0.3238 E	4.54	1.30	0.616	0.233	0.035	0.025	0.045	1.05	0.0688	4
5	0.1018	0.2148	0.3388 E	4.66	2.46	0.622	0.488	0.057	0.027	0.040	1.13	0.0678	5
6	0.0908	0.2048	0.4428 E	2.88	9.04	0.386	0.297	0.085	0.024	0.034	1.13	0.0608	6
7	0.0748	0.2148	0.2398 E	0.635	4.20	0.330	0.313	0.058	0.023	0.035	1.11	0.0568	7
8	0.0758	0.2138	0.1478 E	0.604	4.01	0.280	0.459	0.060	0.025	0.035	0.5468	0.0558	8
9	0.0868	0.1778	0.2458 E	0.350	4.74	0.280	0.387	0.085	0.027	0.375	0.8538	0.0488	9
10	0.0738	0.2098	1.18 E	0.321	4.95	0.271	0.384	0.090	0.024	0.559	1.46 E	0.0478	10
11	0.0778	0.2188	1.81 E	0.303	5.27	0.182	0.185	0.048	0.025	0.584	0.7809	0.0478	11
12	0.1198	0.2148	3.18 E	0.278	5.33	0.154	0.160	0.053	0.025	0.572	2.09 E	0.0438	12
13	0.1648	0.2388	4.16 E	0.261	5.41	0.143	0.152	0.054	0.023	0.587	1.33 E	0.0408	13
14	0.2008	0.2428	3.85 E	0.314	5.07	0.168	0.878	0.078	0.019	0.566	1.35 E	0.0358	14
15	0.2838	0.2978	3.98 E	0.229	5.18	0.171	0.178	0.083	0.018	0.583	2.36 E	0.0398	15
16	0.3198	0.3748	3.72 E	0.217	4.87	0.206	0.188	0.085	0.024	0.595	1.21 E	0.0328	16
17	0.3238	0.3878	4.00 E	0.220	4.78	0.169	0.235	0.044	0.037	0.576	0.3148	0.0338	17
18	0.3298	0.3318	3.13 E	0.285	4.29	0.140	0.204	0.027	0.035	0.600	0.2188	0.0368	18
19	0.3198	0.2858	12.6 E	0.506	3.86	0.262	0.190	0.034	0.036	0.586	0.1938	0.0328	19
20	0.3248	0.3618	11.1 E	0.782	3.55	3.88	0.145	0.010	0.048	0.590	0.1358	0.0318	20
21	0.3548	0.4178	11.5 E	0.683	3.21	2.18	0.131	0.014	0.054	0.577	0.1148	0.0288	21
22	0.3238	0.4218	16.5 E	0.930	2.66	1.82	0.134	0.013	0.069	0.576	0.1108	0.0308	22
23	0.3178	0.4848	14.5 E	1.13	2.36	1.62	0.138	0.011	0.065	0.589	0.0958	0.0318	23
24	0.3198	0.4168	14.2 E	1.43	2.36	1.42	0.124	0.010	0.057	0.577	0.0898	0.0288	24
25	0.2778	0.3188	14.7 E	1.16	2.13	0.958	0.095	0.010	0.068	0.574	0.0988	0.0278	25
26	0.2328	0.1288	13.8 E	1.14	1.80	0.746	0.086	0.008	0.058	0.582	0.0858	0.0248	26
27	0.2258	0.3258	10.8 E	1.41	1.57	0.650	0.081	0.007	0.094	0.577	0.0968	0.0208	27
28	0.2268	0.1068	10.7 E	1.38	1.27	0.586	0.109	0.006	0.075	0.578	0.0928	0.0198	28
29	0.2318		10.7 E	1.42	1.05	0.443	0.078	0.007	0.060	0.823	0.0838	0.0198	29
30	0.2538		10.4 E	1.42	0.801	0.388	0.051	0.020	0.051	1.03	0.0838	0.0218	30
31	0.2788		8.39 E		0.744		0.035	0.024		1.21		0.0268	31
TOTAL	5.454	7.788	199.621	47.888	88.809	21.875	6.509	1.104	1.335	18.788	21.331	1.274	TOTAL
MEAN	0.208	0.278	6.44	1.60	2.18	0.858	0.210	0.035	0.041	0.476	0.711	0.041	MEAN
MAX	0.384	0.494	18.8	6.00	5.41	3.88	0.878	0.083	0.088	1.21	2.36	0.080	MAX
MIN	0.072	0.106	0.147	0.217	0.744	0.140	0.035	0.006	0.018	0.034	0.083	0.018	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 1.59
MAXIMUM DAILY, 18.88 ON MAR 23
MINIMUM DAILY, 0.006 ON AUG 28
MAXIMUM INSTANTANEOUS,
20.78 AT 14:33 CST ON MAR 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 28 N
LONG 101 23 48 W
DRAINAGE AREA, 2 880 km²

E - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	558	JUL	582
FEB	673	AUG	85.4
MAR	17 200	SEP	107
APR	4 140	OCT	1 280
MAY	8 540	NOV	1 840
JUN	1 800	DEC	110

TOTAL DISCHARGE, 33 700 dam³

PLAYGREEN LAKE AT ENTRANCE TO EAST NELSON RIVER - STATION NO. 05UB005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	217.454	---	---	217.304	216.877	216.900	1
2	---	---	---	---	---	---	217.431	---	---	217.236	216.998	216.887	2
3	---	---	---	---	---	---	217.498	---	---	217.242	216.955	216.881	3
4	---	---	---	---	---	---	217.500	---	---	217.311	217.140	216.888	4
5	---	---	---	---	---	---	217.540	---	---	217.187	217.033	216.886	5
6	---	---	---	---	---	---	217.589	---	---	217.275	216.950	216.888	6
7	---	---	---	---	---	---	217.480	---	---	217.207	216.888	216.881	7
8	---	---	---	---	---	---	217.446	---	---	217.128	216.586	216.880	8
9	---	---	---	---	---	---	217.449	---	---	217.239	216.582	216.870	9
10	---	---	---	---	---	---	217.458	---	---	217.303	216.719	216.879	10
11	---	---	---	---	---	---	217.478	---	---	217.101	216.788	216.880	11
12	---	---	---	---	---	---	217.532	---	---	217.222	216.827	216.883	12
13	---	---	---	---	---	---	217.525	---	---	217.280	216.904	216.889	13
14	---	---	---	---	---	---	217.545	---	---	217.179	216.924	216.881	14
15	---	---	---	---	---	---	217.573	---	---	217.261	216.948	216.889	15
16	---	---	---	---	---	---	217.551	---	---	217.252	216.943	216.890	16
17	---	---	---	---	---	217.388A	217.507	---	---	217.329	216.944	216.889	17
18	---	---	---	---	---	217.412	217.554A	---	---	217.385	216.954	216.890	18
19	---	---	---	---	---	217.422	---	---	---	217.304	216.936	216.882	19
20	---	---	---	---	---	217.452	---	---	---	217.282	216.928	216.884	20
21	---	---	---	---	---	217.470	---	---	---	217.272	216.921	216.886	21
22	---	---	---	---	---	217.472	---	---	---	217.186	216.924	216.885	22
23	---	---	---	---	---	217.387	---	---	217.340A	217.185	216.922	216.876	23
24	---	---	---	---	---	217.456	---	---	217.281	217.227	216.936	216.873	24
25	---	---	---	---	---	217.535	---	---	217.174	217.272	216.912	216.887	25
26	---	---	---	---	---	217.520	---	---	217.278	217.230	216.913	216.889	26
27	---	---	---	---	---	217.506	---	---	217.308	217.185	216.904	216.874	27
28	---	---	---	---	---	217.455	---	---	217.314	217.020	216.889	216.874	28
29	---		---	---	---	217.427	---	---	217.336	216.958	216.889	216.870	29
30	---		---	---	---	217.484	---	---	217.318	217.125	216.895	216.889	30
31	---		---		---		---	---		216.938		---	31
MEAN	---	---	---	---	---	---	---	---	---	217.213	216.904	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	217.365	217.140	---	MAX
MIN	---	---	---	---	---	---	---	---	---	216.938	216.582	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 54 10 N
LONG 97 58 30 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)

REMARKS - STATION PREVIOUSLY OPERATED IN 1967 AND 1968. RE-ESTABLISHED JUN 17 1986

PLEASANT VALLEY CREEK NEAR GRANDVIEW - STATION NO. 05LJ031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0308	1.48 B	1.40	0.573	0.123	0.085	0.001	0.332	---	---	1
2	---	---	0.0318	1.04 B	1.37	0.686	0.127	0.038	0.001	0.340	---	---	2
3	---	---	0.0308	0.9858	1.36	0.574	0.148	0.021	0.001	0.341	---	---	3
4	---	---	0.0298	1.25 B	1.25	0.492	0.149	0.018	0.001	0.314	---	---	4
5	---	---	0.0288	1.29 B	1.33	0.803	0.251	0.017	0.001	0.189	---	---	5
6	---	---	0.0258	1.48 B	2.40	0.854	0.305	0.191	0.001	0.200	---	---	6
7	---	---	0.0258	1.56 B	2.84	0.636	0.238	0.629	0.001	0.190	---	---	7
8	---	---	0.0258	1.50 B	2.36	0.554	0.171	0.320	0	0.182	---	---	8
9	---	---	0.0238	1.52	2.57	0.569	0.155	0.189	0	0.167	---	---	9
10	---	---	0.0228	1.59	2.38	0.542	0.222	0.112	0	0.157	---	---	10
11	---	---	0.0218	1.61	1.56	0.506	0.270	0.106	0	0.136	---	---	11
12	---	---	0.0238	1.62	1.52	0.572	0.281	0.077	0.001	0.119	---	---	12
13	---	---	0.0248	1.60	1.48	0.456	0.273	0.088	0.001	0.138	---	---	13
14	---	---	0.0258	1.59	1.48	0.384	0.287	0.088	0.001	0.130	---	---	14
15	---	---	0.0278	1.58	2.52	0.381	0.277	0.058	0.001	0.125	---	---	15
16	---	---	0.0278	1.58	2.36	0.341	0.263	0.044	0.001	0.129	---	---	16
17	---	---	0.0288	1.67	2.09	0.341	0.218	0.029	0.547	0.122	---	---	17
18	---	---	0.0268	1.69	1.92	0.348	0.206	0.016	0.872	0.128	---	---	18
19	---	---	0.0258	1.68	1.90	0.511	0.284	0.068	0.850	0.118	---	---	19
20	---	---	0.0258	1.68	1.80	0.893	0.185	0.030	0.884	0.110	---	---	20
21	---	---	0.0548	1.62	1.83	0.806	0.147	0.025	0.887	0.109	---	---	21
22	---	---	0.8898	1.60	1.44	0.821	0.134	0.018	0.885	0.104	---	---	22
23	---	---	3.26 B	1.61	1.29	0.586	0.111	0.008	0.826	0.108	---	---	23
24	---	---	2.18 B	1.60	1.23	0.672	0.114	0.008	0.619	0.351	---	---	24
25	---	---	0.9808	1.59	1.18	0.852	0.073	0.021	0.511	0.412	---	---	25
26	---	---	0.0588	1.51	1.11	0.270	0.082	0.012	0.488	0.408	---	---	26
27	---	---	0.0388	1.45	1.05	0.214	0.057	0.006	0.357	0.407	---	---	27
28	---	---	2.96 B	1.48	0.980	0.183	0.039	0.004	0.314	0.334	---	---	28
29	---		2.04 B	1.45	0.901	0.147	0.038	0.002	0.322	0.373	---	---	29
30	---		1.71 B	1.38	0.809	0.134	0.037	0.002	0.387	0.390	---	---	30
31	---		2.20 B		0.650		0.145	0.001		0.339		---	31
TOTAL	---	---	16.901	45.315	49.910	15.321	5.386	2.307	8.534	7.052	---	---	TOTAL
MEAN	---	---	0.545	1.51	1.61	0.511	0.174	0.074	0.284	0.227	---	---	MEAN
MAX	---	---	3.26	1.69	2.84	0.893	0.305	0.629	0.887	0.412	---	---	MAX
MIN	---	---	0.021	0.985	0.650	0.134	0.037	0.001	0	0.104	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.615
MAXIMUM DAILY, 3.288 ON MAR 23
MINIMUM DAILY, 0 ON SEP 6
MAXIMUM INSTANTANEOUS,
4.418 AT 18:13 CST ON MAR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 15 N
LONG 100 52 57 W
DRAINAGE AREA, 281 km²

B - ICE CONDITIONS

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	485
FEB	---	AUG	199
MAR	1 660	SEP	737
APR	3 930	OCT	809
MAY	4 310	NOV	---
JUN	1 320	DEC	---

TOTAL DISCHARGE, 13 000 dam³

PLEASANT VALLEY RESERVOIR NEAR PETLURA - STATION NO. 05LJ808

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	540.308E	540.203	540.183	540.118E	540.026E	---	---	1
2	---	---	---	---	---	540.298E	540.197E	540.183E	540.113	540.025E	---	---	2
3	---	---	---	---	---	540.283	540.190E	540.183E	540.110E	540.021	---	---	3
4	---	---	539.889	---	---	540.277E	540.183	540.183E	540.107E	540.021E	---	---	4
5	---	---	---	---	---	540.270E	540.190E	540.183	540.103	540.021E	---	---	5
6	---	---	---	---	540.425	540.263	540.198E	540.188E	540.101E	540.021	---	---	6
7	---	---	---	540.321	540.431E	540.261E	540.205E	540.198E	540.098E	540.021	---	---	7
8	---	---	---	---	540.438E	540.258E	540.213	540.203	540.098E	540.021E	---	---	8
9	---	---	---	---	540.445	540.258E	540.216E	540.188E	540.093	540.021E	---	---	9
10	---	---	---	---	540.450E	540.253	540.218E	540.193E	540.090E	540.021	---	---	10
11	---	---	---	---	540.455E	540.233	540.223	540.188E	540.087E	540.019E	---	---	11
12	---	---	---	---	540.460E	540.233E	540.221E	540.183	540.083	540.018E	---	---	12
13	---	---	538.946	---	540.465	540.233	540.218E	540.183	540.080E	540.014E	---	---	13
14	---	---	---	---	540.484	540.231E	540.216E	540.173E	540.078E	540.011	---	---	14
15	---	---	---	---	540.479E	540.228E	540.213	540.163	540.072E	540.011E	---	---	15
16	---	---	---	---	540.484	540.226E	540.213E	540.161E	540.068	540.011E	---	539.877	16
17	---	---	---	---	540.457E	540.223	540.213E	540.158E	540.058E	540.011	---	---	17
18	---	---	---	---	540.449E	540.233E	540.213	540.158E	540.080E	540.011E	---	---	18
19	---	---	---	---	540.442E	540.243E	540.208E	540.153	540.041	540.011E	---	---	19
20	---	---	---	---	540.434	540.253	540.203E	540.150E	540.034E	540.011E	---	---	20
21	540.004	---	---	---	540.411E	540.248E	540.198E	540.147E	540.028E	540.011	---	---	21
22	---	---	---	---	540.388E	540.238E	540.193	540.143	540.019E	540.011E	---	---	22
23	---	---	---	540.385	540.384	540.231E	540.187E	540.141E	540.011	540.011E	---	---	23
24	---	---	---	---	540.359E	540.223	540.180E	540.138E	540.021E	540.011	---	---	24
25	---	---	---	---	540.364E	540.220E	540.173	540.136E	540.031E	540.008E	---	---	25
26	---	---	---	---	540.349E	540.217E	540.175E	540.133	540.041	540.001E	---	---	26
27	---	---	---	---	540.344	540.213	540.178E	540.130E	540.038E	539.998E	---	---	27
28	---	---	---	---	540.341E	540.211E	540.180E	540.127E	540.038E	539.991	---	---	28
29	---		---	---	540.337E	540.208E	540.183	540.123	540.034E	539.981	---	---	29
30	---		---	---	540.333	540.208E	540.183E	540.121E	540.031	539.988E	---	---	30
31	---		---		540.321E		540.183E	540.118E		539.981		---	31
MEAN	---	---	---	---	---	540.342	540.199	540.152	540.066	540.011	---	---	MEAN
MAX	---	---	---	---	---	540.308	540.223	540.203	540.116	540.026	---	---	MAX
MIN	---	---	---	---	---	540.206	540.173	540.118	540.011	539.981	---	---	MIN

SUMMARY FOR THE YEAR 1988

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 03 27 N
LONG 100 56 14 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1972

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PLUM CREEK NEAR SOURIS - STATION NO 05NG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0758	0.408	0.585	0.347	0.605	0	0	---	---	1
2	---	---	0 B	0.0378	0.438	0.565	0.385	0.385	0	0.001	---	---	2
3	---	---	0 B	0.0618	0.469	0.725	0.287	0.279	0	0.001	---	---	3
4	---	---	0 B	0.088	0.488	0.732	0.244	0.681	0	0.001	---	---	4
5	---	---	0 B	0.090	1.29	0.877	0.318	1.19	0	0	---	---	5
6	---	---	0 B	0.087	2.62	0.714	0.357	0.885	0	0	---	---	6
7	---	---	0 B	0.081	3.46	0.830	0.301	0.807	0	0	---	---	7
8	---	---	0 B	0.074	2.98	0.766	0.255	0.361	0	0	---	---	8
9	---	---	0 B	0.056	2.46	0.718	0.354	0.305	0	0	---	---	9
10	---	---	0 B	0.039	2.22	0.588	0.276	0.279	0	0	---	---	10
11	---	---	0 B	0.024	2.08	0.567	0.122	0.180	0	0	---	---	11
12	---	---	0 B	0.030	1.83	0.311	0.418	0.118	0	0	---	---	12
13	---	---	0 B	0.041	1.76	0.188	0.376	0.082	0	0	---	---	13
14	---	---	0.0088	0.058	1.62	0.192	0.314	0.055	0	0	---	---	14
15	---	---	0.0258	0.087	1.80	0.488	0.284	0.028	0	0	---	---	15
16	---	---	0.1028	0.103	1.85	0.721	0.241	0.027	0	0	---	---	16
17	---	---	0.2988	0.149	1.84	0.739	0.722	0.018	0	0	---	---	17
18	---	---	0.2618	0.388	1.85	0.885	0.827	0.018	0	0	---	---	18
19	---	---	0.0818	0.414	1.85	0.858	0.743	0.013	0	0	---	---	19
20	---	---	0.0028	0.333	1.90	0.885	0.584	0.002	0	0	---	---	20
21	---	---	0.0808	0.280	1.48	0.883	0.580	0	0	0	---	---	21
22	---	---	0.4238	0.272	1.40	0.813	0.518	0.104	0	0	---	---	22
23	---	---	0.1738	0.288	1.33	0.821	0.602	0.107	0	0	---	---	23
24	---	---	0.1798	0.287	1.30	0.784	0.437	0.040	0	0	---	---	24
25	---	---	0.1738	0.287	1.31	0.844	0.881	0.012	0	0	---	---	25
26	---	---	0.3368	0.300	1.31	0.880	0.484	0.002	0	0	---	---	26
27	---	---	0.2628	0.307	1.42	0.705	0.340	0	0	0	---	---	27
28	---	---	0.2418	0.318	1.30	0.800	0.570	0	0	0	---	---	28
29	---		0.2498	0.381	1.17	0.483	1.07	0	0	0	---	---	29
30	---		0.1798	0.401	1.33	0.432	1.26	0	0	0	---	---	30
31	---		0.1148		1.15		0.832	0		0		---	31
TOTAL	---	---	3.202	5.407	47.834	19.419	15.258	8.174	0	0.003	---	---	TOTAL
MEAN	---	---	0.103	0.180	1.54	0.647	0.492	0.189	0	0	---	---	MEAN
MAX	---	---	0.423	0.414	3.46	0.885	1.26	1.19	0	0.001	---	---	MAX
MIN	---	---	0	0.024	0.408	0.192	0.22	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.387
MAXIMUM DAILY, 3.46 ON MAY 7
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.18 AT 23:00 CST ON MAY 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 30 N
LONG 100 18 20 W
DRAINAGE AREA, 5 410 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 330
FEB	---	AUG	533
MAR	277	SEP	0
APR	467	OCT	0.26
MAY	4 130	NOV	---
JUN	1 680	DEC	---

TOTAL DISCHARGE, 8 410 dam³

PLUM LAKE ABOVE DELEAU DAM - STATION NO. 05NG801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	429.295	429.320	429.235	429.244	429.088E	429.052	---	---	1
2	---	---	---	---	429.283	429.317	429.235	429.241	429.082E	429.061	---	---	2
3	---	---	---	---	429.274	429.314	429.235	429.235	429.076	429.064	---	---	3
4	---	---	---	---	429.268	429.308	429.222	429.229	429.073E	429.064	---	---	4
5	---	---	---	---	429.293	429.302	429.253	429.222	429.070E	429.061	---	---	5
6	---	---	---	---	429.354	429.302	429.247	429.225	429.067E	429.061	---	---	6
7	---	---	---	---	429.380	429.302	429.241	429.222	429.061E	429.058	---	---	7
8	---	---	---	428.738A	429.347	429.296	429.238	429.216	429.058E	429.058	---	---	8
9	---	---	---	428.788	429.344	429.295	429.241	429.213	429.055E	429.058	---	---	9
10	---	---	---	428.820	429.350	429.299	429.238	429.210	429.049	429.058	---	---	10
11	---	---	---	---	428.884	429.354	429.298	429.238	429.207	429.049E	429.055	---	11
12	---	---	---	---	428.935	429.368	429.288	429.238	429.201	429.048E	429.059	---	12
13	---	---	---	---	428.968	429.372	429.286	429.241	429.195	429.049E	429.052	---	13
14	---	---	---	---	428.972	429.368	429.283	429.244	429.192	429.048E	429.052	---	14
15	---	---	---	---	428.973	429.375	429.283	429.241	429.188	429.048E	429.052	---	15
16	---	---	---	---	429.000	429.378	429.283	429.244	429.180	429.048E	429.053	---	16
17	---	---	---	---	429.045	429.378	429.277	429.274	429.174	429.043E	429.049	---	17
18	---	---	---	---	429.195	429.366	429.271	429.286	429.168	429.043E	429.045	---	18
19	---	---	---	---	429.238	429.363	429.271	429.280	429.161	429.040	429.048	---	19
20	---	---	---	---	429.295	429.354	429.277	429.277	429.152	429.040E	429.045	---	20
21	---	---	---	---	429.283	429.341	429.277	429.274	429.145	429.040E	429.043	---	21
22	---	---	---	---	429.283	429.326	429.271	429.268	429.140	429.043E	429.043	---	22
23	---	---	---	---	429.289	429.320	429.268	429.268	429.134	429.043E	429.040	---	23
24	---	---	---	---	428.306	429.326	429.262	429.265	429.131	429.048E	429.040	---	24
25	---	---	---	---	428.302	429.329	429.253	428.269	429.125	429.048E	429.037	---	25
26	---	---	---	---	429.286	429.335	429.258	429.288	429.125	429.049	429.040	---	26
27	---	---	---	---	429.289	429.335	429.266	429.253	429.118E	429.049E	429.037	---	27
28	---	---	---	---	429.305	429.335	429.250	429.268	429.107	429.049E	429.037A	---	28
29	---		---	---	429.305	429.332	429.244	429.282	429.104E	429.052	---	---	29
30	---		---	---	429.305	429.329	429.238	429.266	429.097E	429.055	---	---	30
31	---		---			429.323		429.250	429.094E		---		31
MEAN	---	---	---	---	---	429.338	429.282	429.252	429.174	429.053	---	---	MEAN
MAX	---	---	---	---	---	429.378	429.320	429.288	429.244	429.088	---	---	MAX
MIN	---	---	---	---	---	429.268	429.238	429.222	429.094	429.040	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 30 N
LONG 100 38 24 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PLUM LAKE NEAR FINDLAY - STATION NO. 05NG809

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	429.284	429.327	429.200	429.161	429.007	428.969	---	---	1
2	---	---	---	---	429.286	429.318	429.192	429.156	429.004	428.979	---	---	2
3	---	---	---	---	429.280	429.310	429.188	429.151	429.004	428.983	---	---	3
4	---	---	---	---	429.265	429.311	429.182	429.145	429.002	428.984	---	---	4
5	---	---	428.825A	---	429.289	429.288	429.214	429.142	428.991	428.981	---	---	5
6	---	---	---	---	429.375	429.289	429.208	429.141	428.988	428.980	---	---	6
7	---	---	---	---	429.348	429.306	429.199	429.138	428.985	428.978	---	---	7
8	---	---	---	429.271A	429.343	429.293	429.198	429.132	428.976	428.979	---	---	8
9	---	---	---	429.278	429.345	429.288	429.198	429.131	428.969	428.978	---	---	9
10	---	---	---	429.283	429.348	429.291	429.198	429.128	428.970	428.985	---	---	10
11	---	---	---	429.315	429.358	429.284	429.198	429.121	428.971	428.979	---	---	11
12	---	---	---	429.313	429.373	429.286	429.181	429.114	428.969	428.974	---	---	12
13	---	---	---	429.306	429.369	429.272	429.182	429.110	428.964	428.972	---	---	13
14	---	---	---	429.309	429.381	429.284	429.188	429.105	428.981	428.971	---	---	14
15	---	---	---	429.310	429.382	429.283	429.191	429.101	428.957	428.973	---	---	15
16	---	---	---	429.307	429.389	429.283	429.188	429.095	428.958	428.969	---	---	16
17	---	---	---	429.291	429.385	429.285	429.211	429.085	428.986	428.985	---	---	17
18	---	---	---	429.317	429.380	429.251	429.218	429.079	428.983	428.985	---	---	18
19	---	---	---	429.336	429.350	429.251	429.214	429.078	428.980	428.984	---	---	19
20	---	---	---	429.321	429.348	429.268	428.207	429.071	428.982	428.985	---	---	20
21	---	---	---	429.305	429.340	429.268	429.204	429.068	428.987	428.985	---	---	21
22	---	---	---	429.280	429.334	429.263	429.197	429.062	428.987	428.981	---	---	22
23	---	---	---	429.305	429.342	429.244	429.199	429.046	428.983	428.982	---	---	23
24	---	---	---	429.289	429.352	429.232	429.194	429.043	428.984	428.982	---	---	24
25	---	---	---	429.281	429.356	429.224	429.184	429.040	428.983	428.981	---	---	25
26	---	---	---	429.291	429.366	429.238	429.181	429.039	428.973	428.981	---	---	26
27	---	---	---	429.292	429.396	429.225	429.180	429.033	428.973	428.987	---	---	27
28	---	---	---	429.294	429.353	429.218	429.190	429.027	428.971	428.953A	---	---	28
29	---		---	429.280	429.347	429.206	429.187	429.022	428.972	---	---	---	29
30	---		---	429.281	429.338	429.202	429.184	429.015	428.971	---	---	---	30
31	---		---		429.336		429.185	429.013		---	---	---	31
MEAN	---	---	---	---	429.340	429.286	429.195	429.089	428.973	---	---	---	MEAN
MAX	---	---	---	---	429.375	429.327	429.218	429.161	429.007	---	---	---	MAX
MIN	---	---	---	---	429.295	429.202	429.185	429.013	428.953	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 45 N
LONG 100 43 08 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
5 150 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PLUM RIVER NEAR ROSENFELD - STATION NO. 05DC019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B 7.31	3.62	0.068	0	0.013	0	0	---	---	1
2	---	---	0	B 5.15	3.16	0.048	0	0.010	0	0 A	---	---	2
3	---	---	0	B 4.05	3.13	0.044	0.001	0.008	0	0 A	---	---	3
4	---	---	0	B 3.20	2.82	0.043	0.003	0.004	0	0	---	---	4
5	---	---	0	B 2.57	2.12	0.039	0.001	0.002	0	0	---	---	5
6	---	---											
7	---	---	0	B 2.15	1.86	0.034	0		0	0	---	---	6
8	---	---	0	B 1.77	1.46	0.033	0	0	0	0	---	---	7
9	---	---	0	B 1.39	1.27	0.031	0	0	0	0	---	---	8
10	---	---	0	B 1.12	1.09	0.026	0	0	0	0	---	---	9
			0	B 0.927	0.981	0.026	0	0	0	0	---	---	10
11	---	---											
12	---	---	0	B 0.762	0.805	0.028	0.001		0	0	---	---	11
13	---	---	0	B 0.5888	0.826	0.024	0.001	0	0	0	---	---	12
14	---	---	0	B 0.4348	0.913	0.022	0	0	0	0	---	---	13
15	---	---	0	B 0.7118	0.587	0.018	0.038	0	0	0	---	---	14
			0	B 0.5458	0.479	0.022	0.100	0	0	0	---	---	15
16	---	---											
17	---	---	0	B 0.386	0.388	0.022	0.079	0					
18	---	---	0	B 0.341	0.430	0.015	0.053	0	0	0	---	---	16
19	---	---	0	B 0.398	0.519	0.009	0.037	0	0	0	---	---	17
20	---	---	0	B 0.855	0.441	0.004	0.032	0	0	0	---	---	18
			0	B 0.743	0.410	0.013	0.030	0	0	0	---	---	19
21	---	---							0	0	---	---	20
22	---	---	0	B 1.17	0.377	0.011	0.026	0					
23	---	---	0	B 3.03	0.329	0.004	0.023	0	0	0	---	---	21
24	---	---	0	B 2.58	0.285	0.004	0.019	0	0	0	---	---	22
25	---	---	0.3668	1.84	0.266	0.005	0.016	0	0	0	---	---	23
			3.20 B	1.46	0.233	0.020	0.012	0	0	0 A	---	---	24
26	---	---							0	0 E	---	---	25
27	---	---	8.52 B	1.48	0.207	0.030	0.010	0					
28	---	---	15.5 B	1.52	0.191	0.022	0.010	0	0	0 E	---	---	26
29	---		31.4 B	2.15	0.177	0.011	0.010	0	0	0 E	---	---	27
30	---		27.7 B	2.22	0.160	0.005	0.015	0	0	0.003E	---	---	28
31	---		19.0	2.22	0.134	0.001	0.019	0	0	0.017E	---	---	29
			10.9		0.095		0.018	0	0	0.049E	---	---	30
TOTAL	---	---	114.588	94.852	29.781	0.835	0.553	0.035	0	0.059E		---	31
MEAN	---	---	3.70	1.83	0.961	0.023	0.018	0.001	0	0.138	---	---	TOTAL
MAX	---	---	31.4	7.31	3.62	0.068	0.100	0.013	0	0.004	---	---	MEAN
MIN	---	---	0	0.341	0.095	0.001	0	0	0	0.059	---	---	MAX
										0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.819
MAXIMUM DAILY, 31.48 ON MAR 28
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
35.38 AT 13:00 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 30 N
LONG 97 24 00 W
DRAINAGE AREA, 742 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	47.8
FEB	---	AUG	3.02
MAR	8 910	SEP	0
APR	4 740	OCT	11.9
MAY	2 670	NOV	---
JUN	59.2	DEC	---

TOTAL DISCHARGE, 17 300 dam³

POPLAR RIVER AT OUTLET OF WEAVER LAKE : STATION NO. 05RE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.1	17.1	15.4	14.7	115	112 E	36.1	18.6	15.1	14.7	19.3	20.0	1
2	20.8	17.1	15.4	14.8	122	108 E	34.3	18.2	14.8	14.7	18.6	20.0	2
3	20.7	17.0	15.4	14.8	128	104 E	33.7	18.3	14.4	14.7	19.5	20.0	3
4	20.5	16.9	15.2	15.0	132	100 E	32.1	18.4	14.3	14.6	19.5	20.0	4
5	20.3	16.8	15.1	15.1	138	96.4E	31.1	18.2	14.3	14.7	19.7	20.1	5
6	20.0	16.8	15.0	15.4	141	92.7E	27.0	18.0	14.5	15.0	19.7	20.1	6
7	19.9	16.6	14.9	15.8	147	87.3E	27.4	18.0	14.1	15.1	19.8	20.0	7
8	19.9	16.5	14.9	16.7	151	85.5E	28.5	18.8	14.4	14.9	19.8	20.0	8
9	19.6	16.5	14.9	17.6	157	82.1E	28.1	18.8	14.6	15.5	19.7	20.1	9
10	19.7	16.4	14.9	18.8	155	81.0E	27.5	18.5	14.6	15.3A	19.7	20.0	10
11	19.5	16.4	14.9	20.1	151	80.3A	27.4	18.8	14.8	15.8	19.9	19.9	11
12	19.3	16.3	14.8	21.4	150	72.4	25.4	18.3	14.8	16.1	20.0	19.9	12
13	19.2	16.2	14.8	22.9	163	71.5	24.2	18.5	14.4	16.3	20.1	19.9	13
14	19.0	16.1	14.8	24.6	164	69.0	23.5	18.5	14.4	15.7	20.1	20.0	14
15	18.9	16.0	14.5	26.4	164	67.7	22.4	18.2	14.5	15.5	20.2	19.9	15
16	18.9	15.8	14.5	28.0	160	65.1	22.1	15.4	14.5	17.0	20.1	19.8	16
17	18.8	15.9	14.5	30.0	163	63.3	22.2	15.8	14.8	17.2	20.0	19.8	17
18	18.8	15.9	14.4	32.2	164	61.1	19.9	15.8	14.5	17.3	20.0	19.8	18
19	18.5	15.8	14.4	36.3	162	59.5	20.1	15.6	14.5	17.4	19.9	19.6	19
20	18.4	15.7	14.3	42.1	161	55.0	19.8	14.3	14.5	17.5	20.0	19.5	20
21	18.2	15.7	14.3	48.4	159	52.0	18.7	15.2	14.5	17.8	20.0	19.6	21
22	17.9	15.6	14.2	54.7	155	49.5	18.0	14.9	14.4	18.1	20.2	19.5	22
23	17.9	15.6	14.2	62.0	153	48.8	18.3	14.9	14.5	18.0	20.1	19.4	23
24	17.8	15.5	14.2	68.4	149	47.0	17.6	15.1	15.2	18.4	20.1	19.4	24
25	17.8	15.5	14.2	76.2	145	45.2	18.2	14.9	17.3	18.6	20.0	19.3	25
26	17.5	15.5	14.3	80.7	142	42.8	17.9	14.9	15.8	18.5	20.1	19.2	26
27	17.4	15.5	14.4	86.3	139A	40.0	18.0	14.8	14.8	18.9	20.0	19.2	27
28	17.4	15.4	14.3	92.7	132E	39.5	17.8	14.6	14.8	19.1	20.0	19.2	28
29	17.3		14.3	100	127E	38.0	17.3	14.6	14.8	18.8	19.9	19.1	29
30	17.2		14.3	108	122E	37.1	16.7	14.9	14.5	19.0	19.9	19.0	30
31	17.1		14.5		117E		16.8	14.7		18.4		19.1	31
TOTAL	585.1	452.2	453.8	1 219.2	4 550	2 058.8	728.8	485.5	440.2	519.3	596.9	610.6	TOTAL
MEAN	18.9	16.2	14.5	40.6	147	68.5	23.5	15.7	14.7	16.8	19.9	19.7	MEAN
MAX	21.1	17.1	15.4	108	164	112	38.1	18.6	17.3	19.0	20.2	20.1	MAX
MIN	17.1	15.4	14.2	14.7	115	37.1	16.8	14.3	14.1	15.5	19.3	19.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 34.8
MAXIMUM DAILY, 164 ON MAY 14
MINIMUM DAILY, 14.1 ON SEP 7
MAXIMUM INSTANTANEOUS,
187 AT 08:28 CST ON MAY 15

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 40 N
LONG 98 45 10 W
DRAINAGE AREA, 6 850 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	50 800	JUL	63 000
FEB	39 100	AUG	41 800
MAR	39 200	SEP	38 000
APR	105 000	OCT	44 800
MAY	393 000	NOV	51 800
JUN	178 000	DEC	52 800

TOTAL DISCHARGE, 1 100 000 dam³

PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE - STATION NO. 05LL018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	137 A	0	0	---	---	---	---	---	---	1
2	---	---	0 B	2.39 E	0	0	---	---	---	---	---	---	2
3	---	---	0 B	1.50 A	0	0	---	---	---	---	---	---	3
4	---	---	0 B	28.4	0	0	---	---	---	---	---	---	4
5	---	---	0 B	72.1	0	0	---	---	---	---	---	---	5
6	---	---	0 B	102 A	20.1	0	---	---	---	---	---	---	6
7	---	---	0 B	72.1	49.6	0	---	---	---	---	---	---	7
8	---	---	0 B	57.1	80.2	0	---	---	---	---	---	---	8
9	---	---	0 B	50.6	90.1	0	---	---	---	---	---	---	9
10	---	---	0 B	50.7	81.1	0	---	---	---	---	---	---	10
11	---	---	0 B	45.7	48.9	0	---	---	---	---	---	---	11
12	---	---	0 B	31.8	49.5	0	---	---	---	---	---	---	12
13	---	---	0 B	10.5	49.1	0	---	---	---	---	---	---	13
14	---	---	0 B	0.115	41.5	0	---	---	---	---	---	---	14
15	---	---	0 B	1.68	21.0	0	---	---	---	---	---	---	15
16	---	---	0 B	0	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0	0	---	---	---	---	---	---	20
21	---	---	0 B	0	0	0	---	---	---	---	---	---	21
22	---	---	0 B	0	0	0	---	---	---	---	---	---	22
23	---	---	0 B	0	0	0	---	---	---	---	---	---	23
24	---	---	0 B	0	0	0	---	---	---	---	---	---	24
25	---	---	0 B	0	0	0	---	---	---	---	---	---	25
26	---	---	0 B	0	0 A	0	---	---	---	---	---	---	26
27	---	---	0 B	0	0	0	---	---	---	---	---	---	27
28	---	---	0 B	0	0	0	---	---	---	---	---	---	28
29	---		12.5 B	0	0	0	---	---	---	---	---	---	29
30	---		42.0 B	0	0	0	---	---	---	---	---	---	30
31	---		132 B		0		---	---		---	---	---	31
TOTAL	---	---	186.5	863.785	481.1	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	6.02	22.1	15.8	0	---	---	---	---	---	---	MEAN
MAX	---	---	132	137	90.1	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.0
MAXIMUM DAILY, 137A ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
534 AT 00 43 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 22 50 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	16 100	SEP	---
APR	57 400	OCT	---
MAY	42 400	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 116 000 dam³

PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ006

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.525	---	---	283.995	284.605	284.616	284.684	---	284.572	---	280.492	280.935	1
2	280.741	---	---	284.019	284.585	284.630	284.654	---	284.569	282.687A	280.223	280.909	2
3	280.610A	---	---	284.078	284.555	284.745	284.649	---	284.571	282.672	280.782	280.863	3
4	280.556A	---	---	283.778	284.538	284.745	284.657	---	284.573	282.962	281.228	280.824	4
5	280.530	---	---	283.635	284.581	284.716	284.693	---	284.560	283.015	281.030	280.826	5
6	280.608	---	---	283.685A	284.705	284.702	284.689	---	284.558	282.995	281.051	280.803	6
7	280.717	---	---	---	284.495	284.678	284.680	284.611A	284.558	282.678	280.965	280.778	7
8	280.593	---	---	---	284.640	284.712	284.683	284.607	284.554	282.348	280.905	280.771	8
9	280.486	---	---	---	284.600	284.793	284.708	284.597	284.557	282.153	280.800	280.784	9
10	280.542	---	---	283.938A	284.593	284.791	284.781	284.623	284.557	282.018A	280.728	280.776	10
11	280.552	---	---	283.911	284.610	284.774	284.801	284.641	284.563	---	280.784	280.761	11
12	280.547	---	---	283.888	284.618	284.748	284.768	284.633	284.558	---	280.935	280.819	12
13	280.574	---	280.915A	283.820	284.610	284.725	284.733	284.619	284.553	---	280.980	280.839	13
14	280.578	---	280.982	283.828	284.631	284.705	284.701A	284.633	284.547	---	280.998	280.773	14
15	280.573A	---	280.976	283.927	284.689	284.691	---	284.638	284.547	---	281.154	280.734	15
16	280.561A	---	280.921	284.100	284.811	284.685	---	284.642	284.547	---	281.231	280.851	16
17	280.706	---	280.888	284.296	284.793	284.882	---	284.636	284.554	---	281.180	280.800	17
18	280.687	---	281.426	284.441	284.780	284.884	---	284.638	284.446	---	281.052	280.807	18
19	280.582	---	281.495	284.548	284.789	284.985	---	284.643	284.128A	---	280.921	280.847	19
20	280.627A	---	281.819	284.555	284.751	284.678	---	284.639	283.850A	---	280.905	280.828	20
21	---	---	281.742	284.804	284.720	284.883	---	284.624	283.186A	---	280.983	280.836	21
22	---	---	281.783	284.885	284.882	284.620	---	284.820	---	---	280.887	280.826	22
23	---	---	281.900	284.678	284.842	284.612	---	284.618	---	---	281.085	280.847	23
24	---	---	282.098	284.640	284.802	284.673	---	284.620	---	---	281.138	280.825	24
25	---	280.729A	282.223	284.812	284.588	284.688	---	284.812	280.983A	---	281.078	280.883	25
26	---	---	282.441	284.804	284.534	284.670	---	284.808	280.502	---	281.008	280.888	26
27	---	---	282.559	284.587	284.499	284.855	---	284.589	280.549	---	281.008	280.850	27
28	---	---	242.524	284.580	284.515	284.877	---	284.585	280.831	---	281.022	280.803	28
29	---		282.440	284.570	284.844	284.881	---	284.584	281.133	---	281.015	280.789	29
30	---		282.315A	284.587	284.883	284.673	---	284.583	281.525A	---	280.882	280.827	30
31	---		284.206A		284.850		---	284.576		280.742A		280.815	31
MEAN	---	---	---	---	284.636	284.693	---	---	---	---	280.883	280.822	MEAN
MAX	---	---	---	---	284.811	284.793	---	---	---	---	281.930	280.936	MAX
MIN	---	---	---	---	284.499	284.612	---	---	---	---	280.223	280.734	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 10 N
LONG 98 20 10 W

A - MANUAL GAUGE

REGULATED SINCE 1970

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RAT RIVER NEAR OTTERBURNE - STATION NO. 05DE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2678	0.2218	0.2568	31.8	31.0	8.73	0.842	1.57	0.268	1.05	1.63 B	0.8478	1
2	0.2708	0.2128	0.2568	30.3	38.6	5.08	0.812	1.35	0.368	1.33	1.15 B	0.9588	2
3	0.2648	0.2028	0.2578	27.3	42.1	5.67	0.778	1.26	0.386	2.08A	1.04 B	0.9338	3
4	0.2508	0.1938	0.2558	24.4	40.8	4.93	0.903	1.15	0.488	2.07E	0.9518	0.8448	4
5	0.2428	0.1928	0.2588	21.9	41.4	4.23	1.32	1.18	0.560	2.07E	1.11 B	0.7948	5
6	0.2278	0.1918	0.2778	19.7	47.8	3.71	1.38	1.15	0.544	2.08E	1.13 B	0.8498	6
7	0.2138	0.1948	0.2848	18.6	46.4	3.31	1.35	1.05	0.477	2.09E	0.9798	0.7628	7
8	0.2008	0.2018	0.3008	17.7	44.5	2.99	1.26	0.873	0.428	2.10E	0.4808	0.8868	8
9	0.2128	0.2148	0.3038	16.8	41.1	2.66	1.18	0.780	0.419	2.12A	0.3278	0.6698	9
10	0.2068	0.2358	0.3078	16.2	37.6	2.36	1.07	0.704	0.445	1.81	0.4188	0.7188	10
11	0.2048	0.2738	0.3048	15.8	35.2	2.12	1.55	0.855	0.478	1.83	0.8308	0.6878	11
12	0.2298	0.2788	0.3108	16.1	36.6	1.89	2.23	0.588	0.494	1.87	1.11 B	0.6788	12
13	0.2238	0.3068	0.3188	17.0	38.1	1.65	2.48	0.484	0.485	1.98	1.15 B	0.6158	13
14	0.1978	0.3328	0.3218	17.8	37.5	1.43	2.58	0.450	0.541	2.02	1.01 B	0.5888	14
15	0.1928	0.3358	0.3258	16.9	34.2	1.33	2.58	0.393	0.624	1.97	0.9648	0.5328	15
16	0.1958	0.3398	0.3338	16.5	30.2	1.35	2.63	0.339	0.885	1.91	0.9778	0.5028	16
17	0.2008	0.3348	0.3458	14.2	27.0	1.42	2.49	0.288	0.879	1.87	0.9908	0.4888	17
18	0.2078	0.3178	0.3498	13.4	25.1	1.39	2.46	0.220	0.729	1.83	0.9778	0.4718	18
19	0.2188	0.3028	0.3718	13.2	23.2	1.33	2.43	0.180	0.780	1.88	0.9588	0.4728	19
20	0.2238	0.2858	0.3978	13.2	21.1	1.28	2.39	0.215	0.862	1.85	0.9708	0.4618	20
21	0.2278	0.2808	0.4208	14.1	19.2	1.35	2.30	0.572	0.909	1.80	0.9338	0.4558	21
22	0.2308	0.2728	0.5188	15.0	17.3	1.35	2.24	0.446	0.881	1.78	0.8128	0.4528	22
23	0.2468	0.2668	0.8838	14.9	15.8	1.19	2.18	0.384	0.522	1.78	0.9198	0.4628	23
24	0.2578	0.2708	0.8688	14.1	14.4	1.09	2.14	0.328	0.484	1.84	0.9228	0.4758	24
25	0.2588	0.2698	2.05 B	13.3	13.2	1.05	2.04	0.255	0.534	1.80	0.9238	0.4718	25
26	0.2578	0.2658	3.93 B	12.8	11.8	1.02	1.85	0.196	0.573	1.80	0.9208	0.4788	26
27	0.2508	0.2618	4.36 B	12.8	10.9	0.973	2.27	0.185	0.588	1.83	0.9218	0.4778	27
28	0.2478	0.2588	8.94 B	15.1	10.0	0.781	2.45	0.133	0.580	1.82	0.8898	0.4888	28
29	0.2448		15.4 B	18.7	9.19	0.869	2.03	0.111	0.796	1.77	0.8738	0.4588	29
30	0.2348		20.8 B	22.7	8.34	0.812	1.94	0.068	0.878	1.75	0.9058	0.4508	30
31	0.2318		25.8		7.50		1.83	0.111		1.76		0.4558	31
TOTAL	7.118	7.300	89.904	531.9	655.83	68.405	57.886	17.704	17.083	57.52	28.288	18.728	TOTAL
MEAN	0.230	0.261	2.90	17.7	27.6	2.28	1.87	0.571	0.569	1.86	0.942	0.804	MEAN
MAX	0.270	0.339	25.8	31.8	47.8	5.73	2.58	1.57	0.978	2.12	1.63	0.958	MAX
MIN	0.192	0.191	0.255	12.8	7.50	0.781	0.778	0.068	0.268	1.05	0.327	0.450	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.81
MAXIMUM DAILY, 47.5 ON MAY 6
MINIMUM DAILY, 0.068 ON AUG 30
MAXIMUM INSTANTANEOUS,
48.3 AT 15:31 CST ON MAY 6

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 42 N
LONG 97 00 26 W
DRAINAGE AREA, 1 380 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1959

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	615	JUL	5 000
FEB	631	AUG	1 530
MAR	7 770	SEP	1 480
APR	46 000	OCT	4 970
MAY	73 800	NOV	2 440
JUN	5 910	DEC	1 620

TOTAL DISCHARGE, 152 000 dam³

RAT RIVER NEAR ST. MALO - STATION NO. 05DE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2008	12.1	18.9	6.58	0.729	0.586	0.393	1.18	0.932	---	1
2	---	---	0.2008	11.1	18.0	6.09	0.884	0.546	0.431	1.58	0.929	---	2
3	---	---	0.2008	11.3	17.5	5.56	0.824	0.519	0.470	1.44	0.951	---	3
4	---	---	0.2008	12.0	19.4	4.87	1.11	0.531	0.503	1.44	0.934	---	4
5	---	---	0.2008	12.1	18.7	4.15	1.11	0.498	0.485	1.49	---	---	5
6	---	---	0.2008	11.7	20.8	3.37	1.11	0.505	0.444	1.47	---	---	6
7	---	---	0.2008	11.2	19.5	2.85	1.03	0.472	0.443	1.45	---	---	7
8	---	---	0.2028	10.9	18.8	2.25	0.950	0.444	0.452	1.47	---	---	8
9	---	---	0.2048	10.9	18.3	1.88	0.880	0.389	0.481	1.50	---	---	9
10	---	---	0.2068	11.5	18.6	1.64	1.22	0.339	0.510	1.53	---	---	10
11	---	---	0.2088	12.6	17.8	1.48	1.84	0.282	0.523	1.56	---	---	11
12	---	---	0.2138	12.6	19.5	1.27	2.09	0.249	0.563	1.65	---	---	12
13	---	---	0.2178	11.9	18.0	1.12	2.28	0.221	0.594	1.68	---	---	13
14	---	---	0.2218	11.2	16.5	1.01	2.25	0.192	0.609	1.66	---	---	14
15	---	---	0.2268	10.9	15.2	1.07	2.15	0.231	0.612	1.69	---	---	15
16	---	---	0.2318	10.7	14.5	1.13	2.05	0.251	0.810	1.73	---	---	16
17	---	---	0.2418	10.2	13.8	1.13	2.00	0.213	0.714	1.72	---	---	17
18	---	---	0.2588	10.1	12.9	1.07	1.98	0.184	0.637	1.68	---	---	18
19	---	---	0.2788	11.1	12.3	0.887	1.86	0.195	0.591	1.69	---	---	19
20	---	---	0.2848	11.5	11.8	1.04	1.72	0.417	0.574	1.64	---	---	20
21	---	---	0.3178	11.0	11.2	1.02	1.84	0.272	0.581	1.60	---	---	21
22	---	---	0.4878	10.4	10.8	0.932	1.57	0.194	0.586	1.59	---	---	22
23	---	---	0.8988	10.0	10.3	0.816	1.53	0.178	0.576	1.54	---	---	23
24	---	---	0.8808	9.45	9.99	0.810	1.31	0.167	0.586	1.54	---	---	24
25	---	---	1.05 B	8.84	9.82	0.847	1.15	0.155	0.716	1.54	---	---	25
26	---	---	1.10 B	8.87	9.21	0.848	1.25	0.128	0.695	1.55	---	---	26
27	---	---	1.47 B	11.0	8.88	0.828	1.35	0.123	0.718	1.61	---	---	27
28	---	---	3.08 B	13.0	8.52	0.828	0.876	0.224	0.845	1.47	---	---	28
29	---		8.38	13.6	8.11	0.800	0.881	0.322	0.854	1.50	---	---	29
30	---		13.2	13.7	7.83	0.776	0.828	0.378	1.04	1.48	---	---	30
31	---		13.5		7.12		0.673	0.403		1.15		---	31
TOTAL	---	---	49.580	338.46	436.88	59.225	43.024	8.838	17.879	47.71	---	---	TOTAL
MEAN	---	---	1.60	11.3	14.1	1.97	1.38	0.317	0.596	1.54	---	---	MEAN
MAX	---	---	13.5	13.7	20.8	6.58	2.28	0.586	1.04	1.73	---	---	MAX
MIN	---	---	0.200	8.84	7.12	0.776	0.673	0.123	0.383	1.15	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.05
MAXIMUM DAILY, 20.8 ON MAY 6
MINIMUM DAILY, 0.123 ON AUG 27
MAXIMUM INSTANTANEOUS,
21.2 AT 17:38 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 06 N
LONG 98 56 39 W
DRAINAGE AREA, 805 km²

B - ICE CONDITIONS

REGULATED SINCE 1959

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 720
FEB	---	AUG	850
MAR	4 280	SEP	1 540
APR	29 200	OCT	4 120
MAY	37 800	NOV	---
JUN	5 120	DEC	---

TOTAL DISCHARGE, 86 800 dam³

RAT RIVER NEAR SUNDOWN - STATION NO. 05DE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2558	0.3068	0.2188	21.3	17.4	0.745	0.533	0.782	0.175	1.38	0.752	0.5208	1
2	0.2518	0.3118	0.2218	17.2	19.7	0.588	0.436	0.648	0.535	1.68	0.7388	0.5298	2
3	0.2468	0.3098	0.2228	14.3	18.0	0.545	0.380	0.550	1.66	1.92	0.5868	0.5788	3
4	0.2418	0.3208	0.2268	12.0	14.2	0.493	0.692	0.487	1.95	1.86	0.5658	0.5928	4
5	0.2398	0.3308	0.2338	10.4	13.4	0.419	3.59	0.373	1.98	1.77	0.5718	0.5688	5
6	0.2388	0.3358	0.2448	9.19	20.6	0.364	4.68	0.305	1.86	1.56	0.6828	0.5688	6
7	0.2338	0.3318	0.2698	8.51	21.1	0.549	5.01	0.305	1.22	1.45	0.7908	0.5308	7
8	0.2328	0.3308	0.2838	7.82	15.7	0.537	5.05	0.374	0.686	1.32	0.8228	0.5928	8
9	0.2418	0.3308	0.2908	7.31	12.5	0.460	4.23	0.405	0.677	1.16	0.8528	0.5418	9
10	0.2358	0.3298	0.2918	8.75	10.9	0.490	2.70	0.476	0.520	1.04	0.5938	0.5218	10
11	0.2388	0.3218	0.2848	8.17	9.36	0.434	2.37	0.378	0.415	1.00	0.5768	0.4678	11
12	0.2628	0.3038	0.2778	5.82	10.3	0.380	2.10	0.315	0.350	0.938	0.5888	0.4418	12
13	0.2718	0.2988	0.2818	4.84	10.4	0.293	1.86	0.289	0.337	0.872	0.5818	0.4068	13
14	0.2768	0.2928	0.2958	4.54	10.5	0.241	1.57	0.242	0.378	0.849	0.5808	0.3888	14
15	0.2768	0.2808	0.3188	4.29	9.85	0.372	1.31	0.204	0.411	0.786	0.5848	0.3778	15
16	0.2808	0.2608	0.3378	4.16	8.60	0.842	1.11	0.165	0.437	0.778	0.5808	0.3988	16
17	0.2858	0.2538	0.3588	4.06	7.22	0.963	1.06	0.125	0.897	0.751	0.6078	0.4108	17
18	0.2858	0.2468	0.3588	4.00	6.07	0.812	0.847	0.077	0.902	0.755	0.5568	0.4108	18
19	0.2878	0.2398	0.3728	4.85	5.22	0.584	0.628	0.087	0.911	0.748	0.5428	0.4028	19
20	0.2938	0.2378	0.3578	5.50	4.49	0.580	0.458	0.958	0.840	0.726	0.5538	0.4078	20
21	0.2978	0.2338	0.3198	5.73	3.86	1.11	0.383	1.77	0.822	0.714	0.5588	0.4138	21
22	0.2868	0.2308	0.4758	5.67	3.28	1.43	0.332	1.84	0.827	0.697	0.5648	0.4078	22
23	0.2598	0.2288	0.9688	5.85	2.80	1.19	0.295	1.58	1.03	0.691	0.5838	0.3908	23
24	0.2608	0.2268	1.07 B	5.59	2.52	0.873	0.331	1.24	1.00	0.712	0.6108	0.4038	24
25	0.2738	0.2288	1.15 B	5.50	2.23	0.641	0.391	0.893	1.27	0.672	0.6278	0.4068	25
26	0.2968	0.2278	1.11 B	7.33	1.97	0.672	0.444	0.635	1.38	0.679	0.6588	0.4038	26
27	0.3148	0.2228	1.28 B	8.32	1.68	1.16	1.12	0.429	1.42	0.641	0.6638	0.4178	27
28	0.3258	0.2178	1.66 B	11.7	1.45	1.26	1.61	0.287	1.44	0.622	0.6638	0.4088	28
29	0.3028		4.28 B	13.5	1.26	0.862	1.54	0.241	1.48	0.613	0.6258	0.3908	29
30	0.2868		12.3 B	15.4	1.05	0.691	1.26	0.200	1.52	0.597	0.6178	0.4108	30
31	0.2988		21.9		0.886		0.942	0.162		0.599		0.4648	31
TOTAL	8.361	7.772	52.471	247.30	268.896	20.880	48.263	18.957	29.232	30.871	18.802	14.173	TOTAL
MEAN	0.270	0.278	1.69	8.24	8.67	0.888	1.58	0.547	0.974	0.988	0.620	0.457	MEAN
MAX	0.325	0.335	21.9	21.3	21.1	1.43	5.05	1.84	1.98	1.92	0.822	0.592	MAX
MIN	0.232	0.217	0.218	4.00	0.886	0.241	0.295	0.077	0.178	0.597	0.542	0.377	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.09
MAXIMUM DAILY, 21.9 ON MAR 31
MINIMUM DAILY, 0.077 ON AUG 18
MAXIMUM INSTANTANEOUS,
23.9 AT 19:19 CST ON MAY 6

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 35 N
LONG 98 17 00 W
DRAINAGE AREA, 416 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	722	JUL	4 260
FEB	672	AUG	1 470
MAR	4 530	SEP	2 530
APR	21 400	OCT	2 650
MAY	23 200	NOV	1 610
JUN	1 790	DEC	1 220

TOTAL DISCHARGE, 88 100 dam³

RED DEER LAKE NEAR HARROWS - STATION NO. 05LC003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	281.851	281.778	281.731	281.783	282.508	282.822	282.275	282.051	281.849	281.798	281.704	281.707	1
2	281.848	281.774	281.728	281.786	282.515	282.806	282.280	282.037	281.827	281.803	281.735	281.707	2
3	281.841	281.770	281.727	281.789	282.526	282.583	282.243	282.025	281.788	281.773	281.732	281.706	3
4	281.841	281.765	281.723	281.787	282.527	282.578	282.232	282.034	281.812	281.780	281.736	281.707	4
5	281.832	281.759	281.722	281.813	282.534	282.570	282.238	282.026	281.818	281.783	281.745	281.703	5
6	281.826	281.759	281.714	281.837	282.538	282.542	282.204	282.018	281.789	281.785	281.746	281.704	6
7	281.827	281.762	281.715	281.867	282.547	282.521	282.215	281.981	281.785	281.789	281.747	281.707	7
8	281.837	281.752	281.723	281.810	282.550	282.517	282.225	281.886	281.814	281.773	281.740	281.706	8
9	281.827	281.742	281.730	281.863	282.555	282.506	282.225	282.016	281.805	281.773	281.737	281.703	9
10	281.828	281.745	281.732	282.023	282.553	282.510	282.223	281.981	281.800	281.748	281.734	281.705	10
11	281.827	281.747	281.733	282.089	282.582	282.483	282.219	281.989	281.808	281.767	281.732	281.701	11
12	281.820	281.744	281.731	282.145	282.580	282.428	282.222	281.981	281.816	281.746	281.727	281.696	12
13	281.819	281.740	281.733	282.183	282.579	282.483	282.217	281.973	281.781	281.770	281.726	281.701	13
14	281.820	281.739	281.733	282.213	282.586	282.438	282.185	281.982	281.786	281.771	281.725	281.703	14
15	281.820	281.739	281.730	282.238	282.602	282.480	282.189	281.928	281.781	281.762	281.722	281.702	15
16	281.814	281.734	281.729	282.260	282.614	282.442	282.180	281.808	281.786	281.770	281.723	281.701	16
17	281.806	281.737	281.726	282.283	282.644	282.445	282.189	281.820	281.775	281.788	281.721	281.701	17
18	281.804	281.735	281.722	282.298	282.671	282.442	282.101	281.833	281.773	281.759	281.721	281.699	18
19	281.804	281.736	281.713	282.315	282.688	282.444	282.156	281.809	281.770	281.761	281.724	281.699	19
20	281.798	281.736	281.716	282.334	282.699	282.414	282.142	281.868	281.771	281.755	281.725	281.693	20
21	281.789	281.726	281.720	282.385	282.715	282.385	282.115	281.898	281.781	281.784	281.721	281.693	21
22	281.787	281.739	281.715	282.372	282.719	282.379	282.126	281.895	281.780	281.763	281.719	281.687	22
23	281.796	281.734	281.712	282.387	282.711	282.380	282.109	281.896	281.751	281.755	281.719	281.688	23
24	281.787	281.735	281.712	282.412	282.698	282.387	282.081	281.881	281.822	281.763	281.722	281.684	24
25	281.785	281.731	281.717	282.430	282.694	282.370	282.101	281.893	282.057	281.759	281.719	281.681	25
26	281.783	281.726	281.726	282.443	282.686	282.345	282.085	281.870	281.809	281.748	281.717	281.685	26
27	281.783	281.730	281.728	282.455	282.674	282.302	282.084	281.856	281.791	281.765	281.716	281.683	27
28	281.778	281.733	281.726	282.477	282.667	282.322	282.071	281.854	281.788	281.744	281.713	281.684	28
29	281.782		281.727	282.496	282.667	282.310	282.066	281.855	281.780	281.739	281.710	281.680	29
30	281.778		281.732	282.504	282.664	282.283	282.008	281.857	281.788	281.750	281.709	281.677	30
31	281.783		281.741		282.644		282.021	281.857		281.685		281.681	31
MEAN	281.810	281.744	281.725	282.174	282.617	282.450	282.163	281.941	281.800	281.763	281.725	281.694	MEAN
MAX	281.851	281.778	281.741	282.504	282.719	282.822	282.280	282.051	282.057	281.803	281.747	281.707	MAX
MIN	281.778	281.726	281.712	281.783	282.508	282.283	282.008	281.854	281.751	281.685	281.704	281.677	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 281.868
MAXIMUM DAILY, 282.719 ON MAY 22
MINIMUM DAILY, 281.677 ON DEC 30
MAXIMUM INSTANTANEOUS,
282.759 AT 13:01 CST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 40 N
LONG 101 27 50 W

NATURAL FLOW

DRAINAGE AREA,
14 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1913 ADJ.)

RED DEER RIVER NEAR THE MOUTH, LAKE WINNIPEGOSIS - STATION NO. 05LC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.218	5.538	5.058	10.38	87.2	70.6	43.1	27.7	11.8	10.2	6.75	7.628	1
2	9.038	5.478	4.898	10.88	87.3	71.0	38.3	24.9	11.0	10.2	6.54B	7.628	2
3	8.848	5.418	4.988	11.48	86.7	74.7	42.6	25.0	15.8	9.56	6.50B	7.598	3
4	8.658	5.388	4.808	12.08	87.9	87.4	41.0	23.8	17.7	13.5	6.46B	7.598	4
5	8.468	5.328	4.878	12.68	89.3	83.3	42.7	23.2	13.2	9.75	6.42B	7.558	5
6	8.318	5.258	4.818	13.18	70.9	87.6	48.6	24.3	13.1	10.2	6.38B	7.558	6
7	8.178	5.228	4.788	13.78	69.6	71.8	42.5	25.5	14.0	11.4	6.38B	7.518	7
8	8.088	5.188	4.728	15.98	69.8	83.4	39.8	24.4	10.7	10.9	6.35B	7.518	8
9	8.008	5.108	4.698	18.58	69.8	83.1	38.2	25.1	8.66	9.59	6.31B	7.478	9
10	7.978	5.048	4.638	21.28	71.8	83.5	36.8	23.9	10.1	16.7	6.27B	7.478	10
11	7.898	5.018	4.608	24.08	69.7	81.3	38.3	22.7	10.5	10.0	6.23B	7.438	11
12	7.818	5.948	4.548	26.88	74.4	75.9	37.5	22.6	10.6	9.88	6.19B	7.438	12
13	7.748	5.888	4.578	29.68	72.9	82.4	37.6	22.4	10.2	9.46	6.16B	7.408	13
14	7.708	5.828	4.668	32.58	73.5	80.5	38.6	21.9	9.17	9.09	6.12B	7.408	14
15	7.628	5.798	4.758	35.48	74.2	58.6	37.8	22.7	8.26	10.0 A	6.08B	7.368	15
16	7.558	5.738	4.908	38.8	82.8	56.5	37.5	26.0	7.53	9.10	6.04B	7.368	16
17	7.478	5.678	5.058	40.8	79.7	53.1	33.6	20.4	8.79	9.07	6.04B	7.328	17
18	7.438	5.608	5.178	44.0	75.9	54.7	37.2	19.4	8.85	9.28	6.00B	7.328	18
19	7.368	5.578	5.328	47.0	78.2	53.3	34.1	21.0	8.24	9.31	7.973	7.288	19
20	7.288	5.518	5.488	49.1	79.2	56.6	32.0	24.6	8.01	9.15	7.938	7.288	20
21	7.218	5.458	5.708	50.3	77.2	57.4	32.7	16.8	7.33	9.00	7.858	7.248	21
22	7.178	5.398	5.918	51.8	75.0	57.1	30.2	17.2	7.97	9.23	7.858	7.248	22
23	7.138	5.368	6.138	53.6	78.3	51.5	30.1	15.6	8.24	8.82	7.818	7.218	23
24	7.028	5.298	6.358	56.5	81.8	50.3	34.3	11.5	7.53	8.84	7.788	7.218	24
25	6.948	5.238	6.588	57.3	81.2	51.7	28.5	10.4	8.11E	8.50	7.748	7.178	25
26	6.908	5.178	7.028	59.9	80.4	51.9	28.4	11.8	8.68	8.83	7.748	7.178	26
27	6.838	5.148	7.518	61.9	78.6	53.1	26.1	14.2	8.61	8.32	7.708	7.138	27
28	6.758	5.088	8.008	64.8	79.0	47.9	26.1	14.3	8.93	12.2	7.708	7.138	28
29	6.698		8.508	65.5	75.9	44.6	25.7	13.8	10.9	8.13	7.668	7.098	29
30	6.668		9.078	65.8	74.4	44.3	28.3	13.3	11.1	8.95	7.658	7.098	30
31	6.608		9.688		72.9		28.8	14.4		8.62		7.058	31
TOTAL	236.47	162.51	177.87	1 095.5	2 307.6	1 778.2	1 099.1	624.8	304.51	305.58	240.65	227.79	TOTAL
MEAN	7.63	5.80	5.74	36.5	74.4	59.3	35.5	20.2	10.2	9.86	8.02	7.35	MEAN
MAX	9.21	6.53	9.68	65.9	87.9	75.9	48.6	27.7	17.7	16.7	8.54	7.62	MAX
MIN	6.60	5.08	4.54	10.3	69.7	44.3	25.7	10.4	7.33	8.95	6.75	7.05	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 23.5
MAXIMUM DAILY, 82.8 ON MAY 16
MINIMUM DAILY, 4.548 ON MAR 12
MAXIMUM INSTANTANEOUS,
93.8 AT 10:47 CST ON JUN 12

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 45 N
LONG 101 02 35 W
DRAINAGE AREA, 14 400 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 400	JUL	95 000
FEB	14 000	AUG	54 000
MAR	15 400	SEP	26 300
APR	94 700	OCT	26 400
MAY	199 000	NOV	20 800
JUN	154 000	DEC	19 700

TOTAL DISCHARGE, 740 000 dam³

RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE - STATION NO. 05OC021

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	223.013	229.772	227.969	225.283	224.189	223.899	---	---	---	---	1
2	---	---	223.008	229.938	228.276A	225.139	224.139	223.899	---	---	---	---	2
3	---	---	223.007	229.995	228.361E	225.027	224.110	223.880	---	---	---	---	3
4	---	---	223.004	229.851	228.345E	224.938	224.086	223.865	---	---	---	---	4
5	---	---	222.994	229.647	228.311E	224.899	224.033	223.865	---	---	---	---	5
6	---	---	222.982	229.524	228.517A	224.853	223.982	223.844	---	---	---	---	6
7	---	---	222.974	229.326	228.488	224.804	223.984	223.863	---	---	---	---	7
8	---	---	222.971	229.180	228.944	224.727	223.983	223.863	---	---	---	---	8
9	---	---	222.980	229.116	228.896	224.668	223.983	223.863	---	---	---	---	9
10	---	---	222.990	229.018	228.827	224.613	223.987	223.857	---	---	---	---	10
11	---	---	222.987	228.924	228.618	224.590	224.026	---	---	---	---	---	11
12	---	---	223.003	228.839	228.341	224.550	224.084	---	---	---	---	---	12
13	---	---	223.010	228.786	228.309	224.511	224.113	---	---	---	---	---	13
14	---	222.880	223.016	228.623	228.221	224.456	224.115	---	---	---	---	---	14
15	---	222.996	223.023	228.385	227.981	224.402	224.083	---	---	---	---	---	15
16	---	223.003	223.022	228.238	227.754	224.349	224.045	---	---	---	---	---	16
17	---	223.012	223.017	228.051	227.581	224.288	224.030	---	---	---	---	---	17
18	---	223.020	223.014	227.841	227.452	224.264	224.016	---	---	---	---	---	18
19	---	223.025	223.021	227.649	227.330	224.223	224.001	---	---	---	---	---	19
20	---	223.025	223.038	227.492	227.213	224.233	224.022	---	---	---	---	---	20
21	---	223.023	223.081	227.459	227.107	224.197	224.042	---	---	---	---	---	21
22	---	223.021	223.144	227.420	227.004	224.189	224.042	---	---	---	---	---	22
23	---	223.018	223.259	227.356	226.899	224.232	224.041	---	---	---	---	---	23
24	---	223.017	223.445	227.323	226.780	224.298	224.042	---	---	---	---	---	24
25	---	223.019	224.221	227.288	226.640	224.321	224.003	---	---	---	---	---	25
26	---	223.021	225.404	227.288	226.473	224.355	223.987	---	---	---	---	---	26
27	---	223.020	226.202	227.295	226.276	224.330	223.986	---	---	---	---	---	27
28	---	223.018	226.942	227.302	226.068	224.302	223.975	---	---	---	---	---	28
29	---		227.927	227.353	225.843	224.267	223.987	---	---	---	---	---	29
30	---		228.692	227.510	225.630	224.216	223.926	---	---	---	---	---	30
31	---		229.223		225.443		223.904	---	---	---	---	---	31
MEAN	---	---	223.923	228.394	227.558	224.517	224.030	---	---	---	---	---	MEAN
MAX	---	---	229.223	229.995	228.944	225.283	224.189	---	---	---	---	---	MAX
MIN	---	---	222.971	227.288	225.443	224.189	223.904	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 229.995 ON APR 3

MAXIMUM INSTANTANEOUS,
230.001 AT 04:27 CST ON APR 3

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 10 N
LONG 97 08 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

RED RIVER ABOVE RED RIVER FLOODWAY - STATION NO. 05OC026

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	229.855	228.102	225.392	---	---	---	---	---	---	1
2	---	---	---	230.009	228.427	---	---	---	---	---	---	---	2
3	---	---	---	230.056	228.521	---	---	---	---	---	---	---	3
4	---	---	---	229.945	228.520	---	---	---	---	---	---	---	4
5	---	---	---	229.770	228.482	---	---	---	---	---	---	---	5
6	---	---	---	229.643	228.679	---	---	---	---	---	---	---	6
7	---	---	---	229.456	228.998	---	---	---	---	---	---	---	7
8	---	---	---	229.324	229.044	---	---	---	---	---	---	---	8
9	---	---	---	229.260	229.001	---	---	---	---	---	---	---	9
10	---	---	---	229.161	228.941	---	---	---	---	---	---	---	10
11	---	---	---	229.085	228.736	---	---	---	---	---	---	---	11
12	---	---	---	228.883	228.462	---	---	---	---	---	---	---	12
13	---	---	---	228.839	228.429	---	---	---	---	---	---	---	13
14	---	---	---	228.754	228.345	---	---	---	---	---	---	---	14
15	---	---	---	228.520	228.129	---	---	---	---	---	---	---	15
16	---	---	---	228.352	227.896	---	---	---	---	---	---	---	16
17	---	---	---	228.180	227.715	---	---	---	---	---	---	---	17
18	---	---	---	227.949	227.581	---	---	---	---	---	---	---	18
19	---	---	---	227.738	227.454	---	---	---	---	---	---	---	19
20	---	---	---	227.584	227.339	---	---	---	---	---	---	---	20
21	---	---	---	227.521	227.230	---	---	---	---	---	---	---	21
22	---	---	---	227.468	227.126	---	---	---	---	---	---	---	22
23	---	---	---	227.410	227.021	---	---	---	---	---	---	---	23
24	---	---	---	227.371	226.906	---	---	---	---	---	---	---	24
25	---	---	---	227.329	226.766	---	---	---	---	---	---	---	25
26	---	---	---	227.331	226.599	---	---	---	---	---	---	---	26
27	---	---	226.283A	227.327	226.400	---	---	---	---	---	---	---	27
28	---	---	227.013	227.382	226.180	---	---	---	---	---	---	---	28
29	---		227.959	227.470	225.957	---	---	---	---	---	---	---	29
30	---		228.696	227.823	225.742	---	---	---	---	---	---	---	30
31	---		229.280		225.553		---	---		---		---	31
MEAN	---	---	---	228.491	227.686	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	230.056	229.044	---	---	---	---	---	---	---	MAX
MIN	---	---	---	227.327	225.553	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 230.056 ON APR 3

MAXIMUM INSTANTANEOUS,
230.072 AT 22 31 CST ON APR 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 25 N
LONG 97 07 49 W

A - MANUAL GAUGE

REGULATED

RED RIVER AT EMERSON - STATION NO. 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	59.1B	53.4B	48.1B	8538	745	272	165	117	85.4	153	61.5	60.4B	1
2	58.7B	52.9B	47.9B	8768	795	263	157	112	87.8	160	61.5	60.3B	2
3	58.8B	52.6B	47.7B	9158	818	255	150	107	71.1	161	60.1	60.7B	3
4	58.7B	52.5B	47.7B	951	810	248	144	102	73.9	158	58.7	61.3B	4
5	58.6B	52.3B	46.0B	980	813	238	144	98.1	73.1	150	58.2	62.1B	5
6	58.5B	52.3B	46.7B	967	814	232	141	95.5	72.8	140	58.2	62.8B	6
7	58.0B	52.5B	48.4B	969	815	227	140	92.3	74.0	129	58.5	63.0B	7
8	57.4B	52.7B	50.0B	963	822	219	138	88.3	73.5	120	53.3B	62.9B	8
9	57.1B	52.8B	50.4B	949	828	213	135	87.0	75.2	113	53.6B	62.4B	9
10	57.0B	52.7B	51.1B	927	829	213	132	84.8	79.0	108	53.1B	60.8B	10
11	57.2B	52.6B	51.8B	872	826	214	134	83.0	82.6	104	54.0B	58.4B	11
12	57.0B	52.5B	52.3B	788	789	208	134	82.2	85.7	102	56.7B	56.3B	12
13	57.0B	52.5B	52.9B	740	738	200	131	81.5	88.9	99.5	58.4B	54.7B	13
14	56.7B	52.2B	53.9B	700	703	198	130	80.3	85.6	97.7	58.2B	53.5B	14
15	56.2B	51.9B	55.1B	670	675	189	131	78.5	84.2	95.7	58.9B	53.1B	15
16	55.9B	51.7B	56.5B	650	651	182	138	76.4	81.3	94.0	55.6B	52.9B	16
17	55.6B	51.3B	58.7B	640	631	178	150	74.9	78.4	92.3	56.8B	53.0B	17
18	56.1B	51.0B	62.1B	630	614	175	159	73.1	75.8	91.3	57.2B	53.3B	18
19	56.2B	50.7B	66.4B	625	599	174	161	71.9	73.6	90.9	57.9B	53.7B	19
20	56.2B	50.5B	71.0B	618	583	176	161	70.8	72.6	89.6	58.6B	53.3B	20
21	56.3B	50.0B	78.0B	617	569	186	158	70.5	71.9	87.4	61.1B	52.6B	21
22	56.7B	49.8B	86.7B	620	552	202	156	70.9	72.0	85.7	61.8B	52.0B	22
23	58.1B	49.7B	140 B	629	530	213	151	70.7	72.2	83.8	62.4B	51.4B	23
24	58.1B	49.4B	200 B	638	502	211	148	70.1	72.8	80.4	62.9B	51.0B	24
25	57.8B	49.0B	259 B	643	464	208	142	68.0	76.7	76.3	63.3B	51.2B	25
26	57.2B	48.7B	345 B	648	421	208	138	66.2	84.9	71.9	63.3B	51.8B	26
27	56.8B	48.5B	420 B	653	381	204	134	65.3	101	68.2	62.6B	52.6B	27
28	56.3B	48.4B	518 B	656	348	195	129	64.6	117	65.1	62.2B	53.5B	28
29	55.7B		650 B	658	323	185	126	64.6	132	64.1	61.6B	54.4B	29
30	54.9B		782 B	711	302	175	125	64.3	144	63.4	60.9B	55.3B	30
31	54.1B		818 B		286		121	64.6		61.8		56.1B	31
TOTAL	1 788.0	1 437.1	5 346.4	22 787	19 576	6 260	4 402	2 497.8	2 478.1	3 157.1	1 770.1	1 740.8	TOTAL
MEAN	57.0	51.3	172	760	631	208	142	80.6	82.6	102	59.0	56.2	MEAN
MAX	59.1	53.4	818	969	829	272	165	117	144	161	63.3	63.0	MAX
MIN	54.1	48.4	47.7	617	286	174	121	64.3	85.4	61.8	53.1	51.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 201
MAXIMUM DAILY, 969 ON APR 7
MINIMUM DAILY, 47.7B ON MAR 3

SUMMARY FOR THE YEAR 1986

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 97 12 40 W
DRAINAGE AREA, 104 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	153 000	JUL	380 000
FEB	124 000	AUG	216 000
MAR	462 000	SEP	214 000
APR	1 970 000	OCT	273 000
MAY	1 690 000	NOV	153 000
JUN	541 000	DEC	150 000

TOTAL DISCHARGE, 6 330 000 dam³

RED RIVER AT JAMES AVENUE PUMPING STATION - STATION NO. 05OJ01S

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	222.342	222.299	222.283	227.201	226.327	224.249	223.658	223.677	223.721	223.702	222.752	222.101	1
2	222.345	222.311	222.268	227.073	226.570	224.135	223.691	223.669	223.760	223.749	222.603	222.107	2
3	222.341	222.327	222.235	226.942	226.595	224.051	223.724	223.684	223.754	223.752	222.414	222.132	3
4	222.340	222.332	222.186	226.957	226.533	224.053	223.743	223.692	223.732	223.772	222.159	222.197	4
5	222.351	222.332	222.167	227.080	226.475	224.121	223.679	223.695	223.714	223.771	221.989	222.200	5
6	222.350	222.319	222.201	226.795	226.485	224.088	223.670	223.717	223.758	223.770	221.913	222.241	6
7	222.344	222.306	222.242	226.707	226.647	224.026	223.687	223.773	223.764	223.757	221.914	222.233	7
8	222.336	222.283	222.231	226.754	226.721	223.965	223.732	223.794	223.747	223.733	221.897	222.247	8
9	222.342	222.284	222.224	226.713	226.643	223.936	223.745	223.765	223.753	223.785	221.878	222.424	9
10	222.351	222.281	222.200	226.718	226.585	223.883	223.750	223.722	223.728	223.709	221.856	222.579	10
11	222.362	222.265	222.187	226.723	226.506	223.871	223.833	223.717	223.716	223.662	221.817	222.538	11
12	222.374	222.256	222.172	226.685	226.462	223.807	223.881	223.726	223.746	223.691	221.783A	222.447	12
13	222.369	222.263	222.152	226.610	226.455	223.793	223.840	223.725	223.748	223.708	---	222.363	13
14	222.366	222.264	222.129	226.561	226.381	223.768	223.822	223.738	223.735	223.702	---	222.296	14
15	222.362	222.283	222.097	226.519	226.212	223.761	223.773	223.739	223.730	223.704	---	222.252	15
16	222.363	222.270	222.086	226.373	226.051	223.744	223.743	223.722	223.739	223.700	---	222.226	16
17	222.358	222.291	222.045	226.205	225.955	223.739	223.721	223.742	223.721	223.689	---	222.198	17
18	222.352	222.308	222.037	226.040	225.897	223.738	223.675	223.759	223.710	223.670	---	222.173	18
19	222.351	222.316	222.083	225.880	225.807	223.726	223.658	223.771	223.714	223.671	---	222.164	19
20	222.357	222.318	222.097	225.789	225.719	223.747	223.735	223.757	223.727	223.688	---	222.158	20
21	222.364	222.310	222.118	225.756	225.628	223.694	223.735	223.744	223.774	223.665	221.997A	222.149	21
22	222.360	222.289	222.245	225.716	225.551	223.668	223.726	223.724	223.762	223.659	222.008	222.149	22
23	222.331	222.268	222.347	225.690	225.465	223.689	223.715	223.726	223.697	223.679	222.026	222.150	23
24	222.327	222.283	222.425	225.655	225.368	223.727	223.698	223.729	223.691	223.635	222.053	222.145	24
25	222.330	222.303	222.453	225.636	225.254	223.715	223.669	223.720	223.751	223.498	222.070	222.132	25
26	222.331	222.313	223.712	225.630	225.128	223.744	223.707	223.713	223.673	223.339	222.054	222.102	26
27	222.320	222.305	224.477	225.608	224.884	223.706	223.700	223.739	223.690	223.201	222.051	222.090	27
28	222.311	222.293	225.135	225.650	224.829	223.687	223.684	223.759	223.701	223.080	222.072	222.093	28
29	222.309		226.046	225.705	224.673	223.681	223.725	223.735	223.709	222.962	222.083	222.102	29
30	222.313		226.748	225.385	224.504	223.681	223.651	223.721	223.695	222.807	222.095	222.113	30
31	222.307		226.958		224.387		223.660	223.711		222.856		222.118	31
MEAN	222.343	222.295	222.851	226.308	225.896	223.840	223.724	223.729	223.729	223.575	---	222.213	MEAN
MAX	222.374	222.332	226.958	227.201	226.721	224.249	223.881	223.794	223.782	223.772	---	222.579	MAX
MIN	222.307	222.255	222.037	225.608	224.387	223.681	223.651	223.669	223.673	222.856	---	222.080	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

A - MANUAL GAUGE

MAXIMUM DAILY, 227.201 ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 45 N
LONG 97 07 50 W

MAXIMUM INSTANTANEOUS,
227.278 AT 20 13 CST ON MAR 31

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DRAINAGE AREA,
287 000 km²

REMARKS - MINIMUM WATER LEVEL 221.733 m OCCURED BETWEEN NOV 13 AND NOV 21 1986

RED RIVER AT ST. ADOLPHE - STATION NO. 05OC803

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	230.756	228.783	225.988E	224.595E	---	---	---	---	---	1
2	---	---	---	230.819	229.197	225.784	224.525	---	---	---	---	---	2
3	---	---	---	230.880	229.335	225.665E	---	---	---	---	---	---	3
4	---	---	---	230.819	229.371	225.546	---	---	---	---	---	---	4
5	---	---	---	230.636	229.374	225.473E	---	---	---	---	---	---	5
6	---	---	---	230.529E	229.490	225.397	---	---	---	224.159	---	---	6
7	---	---	---	230.423	229.828	225.323E	---	---	---	224.171E	---	---	7
8	---	---	---	230.270	229.926	225.250E	---	---	---	224.183	---	---	8
9	---	---	---	230.178	229.856	225.174	224.306	---	---	224.159E	---	---	9
10	---	223.260	---	230.087	229.746	225.128E	224.318E	---	---	224.132	---	---	10
11	---	---	---	229.995	229.656	225.083	224.327	---	---	---	---	---	11
12	---	---	223.351	229.935	229.377	225.065E	224.344E	---	---	---	---	---	12
13	---	---	---	229.783	229.336	225.025	224.372E	223.930	---	---	---	---	13
14	---	---	---	229.681	229.274	224.952E	224.397	---	---	---	---	---	14
15	---	---	---	229.447	229.072	224.878E	224.360E	---	---	---	---	---	15
16	223.315	---	---	229.304	228.804	224.805	224.321	---	---	---	---	---	16
17	---	---	---	229.106	228.618E	224.732E	224.318E	---	---	---	---	---	17
18	---	---	---	228.832E	228.432E	224.659	224.315	---	---	---	---	---	18
19	---	---	---	228.557	228.243	224.644E	---	---	---	---	---	---	19
20	---	---	---	228.442	228.128	224.628	---	---	---	---	---	---	20
21	---	---	---	228.344	228.009	224.644E	---	---	---	---	---	---	21
22	---	---	---	228.310	227.914	224.659E	---	---	223.915	---	---	---	22
23	---	---	---	228.248	227.795	224.677	---	---	223.900E	---	---	---	23
24	---	---	224.305	228.178	227.634E	224.683E	---	---	223.885	---	---	---	24
25	---	---	---	228.140	227.472E	224.692	---	---	223.850E	---	---	---	25
26	---	---	---	228.137	227.311	224.714E	---	---	223.833	---	---	---	26
27	---	---	---	228.143	227.088E	224.738	---	---	223.888E	223.577	---	---	27
28	---	---	227.882	228.176	226.863	224.714E	---	---	223.945E	223.518E	---	---	28
29	---		---	228.283	226.628E	224.689E	---	---	224.004	223.458	---	---	29
30	---		230.057	228.374	226.390	224.682	---	---	---	223.333E	---	---	30
31	---		230.576		226.189E		---	---		223.205		---	31
MEAN	---	---	---	229.380	228.488	225.002	---	---	---	---	---	---	MEAN
MAX	---	---	---	230.880	229.926	225.988	---	---	---	---	---	---	MAX
MIN	---	---	---	228.137	226.189	224.628	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 50 N
LONG 97 07 14 W

E - ESTIMATED

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER BELOW FLOODWAY CONTROL STRUCTURE - STATION NO. 05OC020

DAILY WATER LEVEL IN METRES FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	229.886	227.888	225.300E	224.123	---	---	---	---	---	1
2	---	---	---	228.709	226.186	225.150E	224.092	---	---	---	---	---	2
3	---	---	---	228.530	226.263	225.000E	224.078	---	---	---	---	---	3
4	---	---	---	230.534	226.372	224.920E	224.006	---	---	---	---	---	4
5	---	---	---	230.732	226.290	224.858A	224.001	---	---	---	---	---	5
6	---	---	---	230.589	226.287	224.816	223.961	---	---	---	---	---	6
7	---	---	---	230.544	228.427	224.710	223.948	---	---	---	---	---	7
8	---	---	---	230.582	229.907	224.518A	223.973	---	---	---	---	---	8
9	---	---	---	228.499	228.482	224.480E	223.957	---	---	---	---	---	9
10	---	---	---	228.616	228.389	224.440E	223.996	---	---	---	---	---	10
11	---	---	---	228.521	228.313	224.420E	224.065	---	---	---	---	---	11
12	---	---	---	228.470	228.238	224.380E	224.136	---	---	---	---	---	12
13	---	---	---	228.394	228.158	224.350E	224.164	---	---	---	---	---	13
14	---	---	---	228.371	228.114	224.320E	224.118	---	---	---	---	---	14
15	---	---	---	228.291	227.983	224.300E	224.083	---	---	---	---	---	15
16	---	---	---	228.133	227.886	224.280E	224.024	---	---	---	---	---	16
17	---	---	---	227.950	227.695	224.224A	224.008A	---	---	---	---	---	17
18	---	---	---	227.743	227.376	224.208	---	---	---	---	---	---	18
19	---	---	---	227.539	227.255	224.178	---	---	---	---	---	---	19
20	---	---	---	227.343	227.144	224.150	---	---	---	---	---	---	20
21	---	---	---	227.295	227.044	224.150	---	---	---	---	---	---	21
22	---	---	---	227.260	226.945	224.167	---	---	---	---	---	---	22
23	---	---	---	227.183	226.845	224.187	---	---	---	---	---	---	23
24	---	---	---	227.141	226.726	224.254	---	---	---	---	---	---	24
25	---	---	---	227.109	226.593	224.270	---	---	---	---	---	---	25
26	---	---	---	227.110	226.435	224.293	---	---	---	---	---	---	26
27	---	---	228.980A	227.106	226.226	224.270	---	---	---	---	---	---	27
28	---	---	226.799	227.150	226.010	224.243	---	---	---	---	---	---	28
29	---		227.778	227.246	225.805A	224.211	---	---	---	---	---	---	29
30	---		228.526	227.394	225.600E	224.151	---	---	---	---	---	---	30
31	---		228.900		225.450E		---	---		---		---	31
MEAN	---	---	---	227.885	227.436	224.441	---	---	---	---	---	---	MEAN
MAX	---	---	---	230.666	229.907	225.300	---	---	---	---	---	---	MAX
MIN	---	---	---	227.106	226.450	224.167	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1988

MAXIMUM DAILY, 230.900 ON MAR 31

MAXIMUM INSTANTANEOUS,
230.134 AT 18:00 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 20 N
LONG 97 08 10 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1969

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

RED RIVER FLOODWAY NEAR ST. NORBERT - STATION NO. 05OC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	243 A	0	0	0	0	0	0	---	---	1
2	---	---	0	272	0	0	0	0	0	0	---	---	2
3	---	---	0	276	0	0	0	0	0	0	---	---	3
4	---	---	0	267	0	0	0	0	0	0	---	---	4
5	---	---	0	226	0	0	0	0	0	0	---	---	5
6	---	---	0	206	11.8 A	0	0	0	0	0	---	---	6
7	---	---	0	187	26.8	0	0	0	0	0	---	---	7
8	---	---	0	125	38.7	0	0	0	0	0	---	---	8
9	---	---	0	103	30.7	0	0	0	0	0	---	---	9
10	---	---	0	70.8	21.7	0	0	0	0	0	---	---	10
11	---	---	0	44.5	16.7 A	0	0	0	0	0	---	---	11
12	---	---	0	28.0	0	0	0	0	0	0	---	---	12
13	---	---	0	23.0	0	0	0	0	0	0	---	---	13
14	---	---	0	17.1A	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---		0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	2 082.5	146.4	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	68.8	4.72	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	276	26.7	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 9.02
MAXIMUM DAILY, 276 ON APR 3
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
283 AT 19:58 CST ON APR 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 24 N
LONG 97 07 38 W

A - MANUAL GAUGE

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	178 000	OCT	0
MAY	12 800	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 191 000 dam³

REMARKS - LOCAL INFLOW IS NOT MONITORED

RED RIVER NEAR ∠ETELLIER - STATION NO. 05OCD10

DAILY WATER LEVEL IN METRES FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	235.630	234.909	---	---	---	---	---	---	---	1
2	---	---	---	235.733	235.148	---	---	---	---	---	---	---	2
3	---	---	---	235.606	235.356	---	---	---	---	---	---	---	3
4	---	---	---	236.655	235.458	---	---	---	---	---	---	---	4
5	---	---	---	236.848	235.894	---	---	---	---	---	---	---	5
6	---	---	---	236.902	235.880	---	---	---	---	---	---	---	6
7	---	---	---	236.913	235.787	---	---	---	---	---	---	---	7
8	---	---	---	236.887	235.801	---	---	---	---	---	---	---	8
9	---	---	---	236.858	235.743	---	---	---	---	---	---	---	9
10	---	---	---	236.781	235.651	---	---	---	---	---	---	---	10
11	---	---	---	236.702	235.514	---	---	---	---	---	---	---	11
12	---	---	---	236.576	235.371	---	---	---	---	---	---	---	12
13	---	---	---	236.422	235.233	---	---	---	---	---	---	---	13
14	---	---	---	236.235	235.058	---	---	---	---	---	---	---	14
15	---	---	---	236.004	234.878	---	---	---	---	---	---	---	15
16	---	---	---	235.726	234.683	---	---	---	---	---	---	---	16
17	---	---	---	235.379	234.425	---	---	---	---	---	---	---	17
18	---	---	---	235.007	234.259	---	---	---	---	---	---	---	18
19	---	---	---	234.698	234.098A	---	---	---	---	---	---	---	19
20	---	---	---	234.480	---	---	---	---	---	---	---	---	20
21	---	---	---	234.273	---	---	---	---	---	---	---	---	21
22	---	---	---	234.231	---	---	---	---	---	---	---	---	22
23	---	---	---	234.231	---	---	---	---	---	---	---	---	23
24	---	---	---	234.242	---	---	---	---	---	---	---	---	24
25	---	---	---	234.272	---	---	---	---	---	---	---	---	25
26	---	---	---	234.320	---	---	---	---	---	---	---	---	26
27	---	---	---	234.364	---	---	---	---	---	---	---	---	27
28	---	---	---	234.429	---	---	---	---	---	---	---	---	28
29	---		235.020	234.537	---	---	---	---	---	---	---	---	29
30	---		236.003	234.684	---	---	---	---	---	---	---	---	30
31	---		236.436		---		---	---		---		---	31
MEAN	---	---	---	235.631	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	236.913	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	234.231	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 236.913 ON APR 7

MAXIMUM INSTANTANEOUS,
236.914 AT 07:05 CST ON APR 7

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1983 ADJ.)

SUMMARY FOR THE YEAR 1980

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 54 N
LONG 97 15 10 W

A - MANUAL GAUGE

REGULATED

RED RIVER NEAR LOCKPORT - STATION NO. 05OJD10

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1980

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	86.00	84.20	70.00	1 7300	1 100	905	229	154	74.5	151	94.0	83.80	1
2	86.30	83.80	69.00	1 730	1 220	682	215	149	75.5	161	90.0	82.70	2
3	86.00	83.40	69.00	1 700	1 200	494	204	143	76.8	172	87.0	82.10	3
4	87.00	83.00	68.50	1 640	1 180	436	197	138	76.5	176	84.0	81.10	4
5	87.50	83.80	67.90	1 610	1 160	428	187	133	80.8	177	81.0	81.30	5
6	88.00	83.30	67.10	1 500	1 100	415	177	127	82.8	175	82.2	82.10	6
7	88.40	81.80	66.50	1 420	1 220	400	173	124	83.5	168	86.7	82.80	7
8	88.70	81.00	66.00	1 390	1 260	390	174	120	84.1	162	85.1	83.70	8
9	88.50	80.50	65.40	1 340	1 240	380	174	116	84.8	157	82.0	84.00	9
10	88.30	80.00	65.00	1 300	1 200	372	161	111	85.0	148	82.9	83.90	10
11	88.10	79.50	64.00	1 280	1 170	388	225	105	87.4	137	85.00	83.30	11
12	88.00	79.00	67.00	1 260	1 140	358	307	103	91.1	132	87.00	81.20	12
13	87.70	78.50	69.00	1 230	1 130	345	398	95.5	94.5	128	88.00	78.60	13
14	87.40	78.00	71.00	1 220	1 110	331	396	96.5	97.3	127	91.00	76.20	14
15	87.10	77.50	73.00	1 200	1 080	310	375	95.5	98.3	125	93.00	74.20	15
16	86.80	77.00	74.00	1 120	1 010	292	350	93.1	99.6	120	91.00	73.80	16
17	86.60	76.50	74.80	1 080	1 020	267	331	90.6	99.8	122	85.00	71.90	17
18	86.40	76.00	77.80	1 000	987	250	310	89.6	99.8	120	80.00	71.30	18
19	86.20	75.00	70.70	970	932	235	310	87.9	99.1	117	75.00	70.80	19
20	86.00	75.00	85.80	959	893	224	310	86.7	99.7	116	72.80	70.50	20
21	85.80	74.50	93.70	934	884	215	314	85.0	106	113	73.00	70.40	21
22	85.60	74.00	101 0	892	886	280	310	83.6	105	113	76.00	70.30	22
23	85.40	73.50	117 0	900	882	272	304	83.4	99.7	111	74.00	69.70	23
24	85.20	73.00	182 0	900	858	278	195	82.8	95.9	108	78.00	68.90	24
25	86.00	72.50	334 0	893	804	272	187	82.2	94.1	110	80.00	68.20	25
26	85.80	72.00	491 0	918	764	272	181	81.0	93.5	108	81.00	67.40	26
27	85.70	71.50	605 0	908	708	270	177	79.5	94.0	105	83.00	66.80	27
28	85.60	71.00	633 0	924	639	263	171	78.2	106	104	82.50	67.10	28
29	84.50		1 190 0	922	588	260	167	76.4	123	102	83.00	67.60	29
30	84.40		1 640 0	975	553	238	164	74.8	139	100	84.00	67.80	30
31	84.30		1 670 0		526		158	74.2		97.0		68.30	31
TOTAL	2 683.9	2 176.5	6 682.8	35 845	30 590	9 984	6 487	3 146.9	2 810.0	4 068.0	2 810.2	2 321.1	TOTAL
MEAN	86.6	77.7	275	1 190	986	331	209	101	93.7	131	93.7	74.8	MEAN
MAX	88.7	84.2	1 670	1 760	1 250	695	368	154	139	177	96.7	84.0	MAX
MIN	84.3	71.0	65.0	892	526	238	158	74.2	74.5	97.0	72.8	66.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 304
MAXIMUM DAILY, 1 7300 ON APR 1
MINIMUM DAILY, 65.00 ON MAR 19

SUMMARY FOR THE YEAR 1980

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 28 N
LONG 96 55 54 W
DRAINAGE AREA, 287 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	232 000	JUL	560 000
FEB	188 000	AUG	272 000
MAR	735 000	SEP	243 000
APR	3 100 000	OCT	351 000
MAY	2 640 000	NOV	217 000
JUN	859 000	DEC	201 000

TOTAL DISCHARGE, 9 800 000 dam³

REMARKS - THESE DATA ARE A SUMMATION FROM SEVEN UPSTREAM FLOW STATIONS

RED RIVER NEAR ST. NORBERT - STATION NO. 05OC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1 180E	---	---	---	---	---	---	---	---	1
2	---	---	---	1 110E	---	---	---	---	---	---	---	---	2
3	---	---	---	1 040E	---	---	---	---	---	---	---	---	3
4	---	---	---	1 000E	---	---	---	---	---	---	---	---	4
5	---	---	---	1 120E	---	---	---	---	---	---	---	---	5
6	---	---	---	1 080E	1 010E	---	---	---	---	---	---	---	6
7	---	---	---	1 060E	1 070E	---	---	---	---	---	---	---	7
8	---	---	---	1 080E	1 070E	---	---	---	---	---	---	---	8
9	---	---	---	1 070E	1 000E	---	---	---	---	---	---	---	9
10	---	---	---	1 070E	1 040E	---	---	---	---	---	---	---	10
11	---	---	---	1 070E	1 030E	---	---	---	---	---	---	---	11
12	---	---	---	1 060E	---	---	---	---	---	---	---	---	12
13	---	---	---	1 040E	---	---	---	---	---	---	---	---	13
14	---	---	---	1 040E	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---		---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		1 100E		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR TWO MONTHS APR TO MAY

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 47 10 N
LONG 97 08 13 W
DRAINAGE AREA, 124 000 km²

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

REMARKS - DAILY DISCHARGES ARE PUBLISHED ONLY FOR PERIODS OF RED RIVER FLOODWAY OPERATION

RED RIVER NEAR STE. AGATHE - STATION NO. 05OC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	52.78	47.48	46.68	1 140E	787	381	192	121	97.8	124	80.7	61.38	1
2	52.58	46.88	46.68	1 140	833	365	180	117	98.8	148	79.8	60.88	2
3	52.58	46.38	46.58	1 160	855	352	170	113	98.8	157	79.8	60.48	3
4	52.88	46.18	46.58	1 120	884	340	162	107	91.8	161	79.5	60.18	4
5	52.98	45.98	46.58	1 080	870	332	153	103	82.5	161	79.1	60.58	5
6	52.68	45.88	46.58	1 070	906	326	149	98.3	85.7	158	98.9	61.18	6
7	53.18	46.48	46.78	1 080	941	320	143	95.9	86.5	147	88.38	61.68	7
8	53.48	45.28	45.38	1 030	945	312	140	93.4	87.0	130	80.78	62.18	8
9	53.18	45.18	45.98	1 010	934	304	144	89.6	87.7	126	83.38	62.58	9
10	52.38	45.18	46.48	995	918	297A	1498	85.9	88.6	117	85.88	62.48	10
11	52.08	45.18	46.88	981	885	286E	1528	82.0	70.4	110	80.48	61.98	11
12	51.88	45.08	47.38	982	889	284E	1578	79.3	74.3	105	73.78	60.38	12
13	51.68	45.08	47.78	945	858	273E	1628	77.5	78.2	102	78.78	58.38	13
14	51.68	44.98	46.28	924	847	255E	1668	76.8	80.6	89.1	78.68	58.58	14
15	51.98	44.88	44.88	893	909	237E	1658	75.3	81.6	86.7	80.98	59.18	15
16	51.28	44.78	43.38	884	789	231E	1628	73.2	81.6	94.9	77.28	54.18	16
17	50.88	44.78	40.98	831	737	197A	1598	71.0	78.8	93.1	69.38	53.78	17
18	50.03	44.88	50.88	783A	708	181	1578	88.3	76.4	90.5	62.88	53.68	18
19	50.48	44.78	53.08	760E	686	188	184	67.6	73.3	89.2	58.38	53.68	19
20	50.18	44.88	55.88	734E	668	187	188	88.4	70.8	88.1	57.88	53.78	20
21	49.98	44.78	58.88	717E	651	189	186	84.5	68.8	86.8	57.88	53.78	21
22	49.88	44.78	63.38	708E	633	195	187	83.8	68.1	84.5	58.98	53.78	22
23	49.78	44.78	74.18	700A	630	210	143	82.9	66.8	83.1	60.08	53.38	23
24	50.18	44.78	118 E	694A	801	221	157	82.5	66.1	80.6	60.98	52.68	24
25	50.38	44.78	234 E	691A	978	226	161	82.2	66.6	77.6	61.68	52.48	25
26	50.08	44.78	358 E	692	990	225	146	81.6	69.0	73.8	62.08	52.18	26
27	49.78	44.68	435 E	694	917	225	143	80.2	72.6	70.3	62.18	52.28	27
28	49.38	44.58	537 E	701	882	220	138	99.6	65.6	66.7	61.98	52.48	28
29	48.88		713 E	717	848	212	134	96.0	104	63.7	61.88	53.18	29
30	48.58		883 E	737	831	202	128	96.0	120	62.2	61.78	54.38	30
31	47.98		1 060 E		389		124	96.0		61.2		55.38	31
TOTAL	1 583.8	1 284.8	5 578.5	26 529	22 610	7 760	4 815	2 629.3	2 195.4	3 232.3	1 920.0	1 784.9	TOTAL
MEAN	51.1	45.2	180	884	729	259	155	76.6	73.2	104	64.0	55.7	MEAN
MAX	53.4	47.6	1 060	1 140	946	381	192	121	120	161	80.9	62.5	MAX
MIN	47.9	44.6	44.6	691	389	187	124	96.9	97.6	61.2	57.6	53.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 224
MAXIMUM DAILY, 1 140E ON APR 1
MINIMUM DAILY, 44.58 ON MAR 3
MAXIMUM INSTANTANEOUS,
1 160 AT 23:22 CST ON APR 2

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 40 N
LONG 97 10 52 W
DRAINAGE AREA, 117 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	137 000	JUL	415 000
FEB	100 000	AUG	210 000
MAR	482 000	SEP	190 000
APR	2 290 000	OCT	279 000
MAY	1 950 000	NOV	166 000
JUN	672 000	DEC	152 000

TOTAL DISCHARGE, 7 050 000 dam³

RED SUCKER LAKE AT RED SUCKER LAKE - STATION NO. 04AC008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.819	29.845	29.785	29.718	29.811	30.216	30.090	29.986	29.890	---	---	---	1
2	29.813	29.843	29.780	29.718	29.817	30.219	30.086	30.000	29.884	---	---	---	2
3	29.810	29.841	29.784	29.718	29.826	30.217	30.081	30.011	29.876	---	---	---	3
4	29.807	29.835	29.780	29.712	29.845	30.207	30.082	30.007	29.873	---	---	---	4
5	29.802	29.827	29.766	29.714	29.857	30.202	30.085	30.001	29.862	---	---	---	5
6	29.807	29.820	29.766	29.712	29.885	30.203	30.110	29.990	29.855	---	---	---	6
7	29.804	29.823	29.767	29.711	29.9[illegible]	30.213	30.089	30.000	29.868	---	---	---	7
8	29.803	29.826	29.760	29.708	29.[illegible]	30.180	30.078	29.980	29.853	---	---	---	8
9	29.803	29.828	29.780	29.707	29.[illegible]	30.182	30.080	29.991	29.846	---	---	---	9
10	29.803	29.828	29.762	29.708	29.[illegible]	30.177	30.080	29.982	29.838	---	---	---	10
11	29.803	29.826	29.763	29.706	29.881	30.185	30.088	29.976	29.835	---	---	---	11
12	29.803	29.822	29.760	29.702	30.011	30.184	30.085	29.987	29.828	---	---	---	12
13	29.807	29.815	29.734	29.706	30.022	30.182	30.082	29.980	29.815	---	---	---	13
14	29.805	29.814	29.725	29.712	30.047	30.178	30.068	29.983	29.805	---	---	---	14
15	29.803	29.818	29.727	29.716	30.087	30.179	30.038	29.971	29.802	---	---	---	15
16	29.802	29.810	29.731	29.711	30.092	30.168	30.028	29.958	29.801A	---	---	---	16
17	29.801	29.804	29.720	29.712	30.116	30.160	30.027	29.961	---	---	---	---	17
18	29.800	29.798	29.730	29.716	30.130	30.175	30.028	29.954	---	---	---	---	18
19	29.804	29.795	29.725	29.719	30.147	30.170	30.008	29.947	---	---	---	---	19
20	29.[illegible]	29.795	29.723	29.721	30.183	30.164	29.998	29.958	---	---	---	---	20
21	29.[illegible]	29.800	29.715	29.716	30.187	30.169	30.000	29.981	---	---	---	---	21
22	29.[illegible]	29.798	29.715	29.717	30.203	30.181	30.001	29.963	---	---	---	---	22
23	29.[illegible]	29.795	29.716	29.720	30.210	30.162	29.995	29.934	---	---	---	---	23
24	29.[illegible]	29.789	29.713	29.728	30.216	30.138	30.013	29.928	---	---	---	---	24
25	29.[illegible]	29.780	29.708	29.739	30.223	30.130	30.010	29.920	---	---	---	---	25
26	29.[illegible]	29.777	29.707	29.749	30.228	30.130	30.012	29.927	---	---	---	---	26
27	29.[illegible]	29.775	29.708	29.767	30.230	30.129	29.998	29.935	---	---	---	---	27
28	29.[illegible]	29.771	29.714	29.780	30.230	30.121	29.995	29.918	---	---	---	---	28
29	29.[illegible]		29.718	29.784	30.222	30.113	30.002	29.910	---	---	---	---	29
30	29.[illegible]		29.713	29.807	30.218	30.103	29.996	29.910	---	---	---	---	30
31	29.[illegible]		29.710		30.217		29.998	29.902		---	---	---	31
MEAN	29.[illegible]	29.810	29.734	29.726	30.083	30.172	30.040	29.960	---	---	---	---	MEAN
MAX	29.[illegible]	29.845	29.788	29.807	30.230	30.217	30.110	30.011	---	---	---	---	MAX
MIN	29.[illegible]	29.771	29.707	29.702	29.811	30.103	29.996	29.902	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 30.230 ON MAY 27
MINIMUM DAILY, 29.702 ON APR 12
MAXIMUM INSTANTANEOUS,
30.231 AT 19 30 CST ON MAY 20

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 09 23 N
LONG 93 23 53 W

A - MANUAL GAUGE

NATURAL FLOW

REINDEER LAKE AT BROCHET - STATION NO. 06DB001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	335.842	335.296	---	336.506	336.482	336.439	1
2	---	---	---	---	---	---	335.877	336.316	---	336.523	336.482	336.425	2
3	---	---	---	---	---	---	335.902	336.316	---	336.569	336.484	336.417	3
4	---	---	---	---	---	---	335.885	336.308	---	336.515	336.500	336.421	4
5	---	---	---	---	---	---	335.882	336.322	---	336.582	336.478	336.405	5
6	335.8884	---	---	---	---	---	335.89[illegible]	336.349	---	336.526	336.473	336.401	6
7	---	---	---	335.2784	---	---	335.928	336.358	---	336.495	336.482	336.390	7
8	---	---	---	---	---	---	336.036	336.296	---	336.511	336.485	336.399	8
9	---	---	---	---	---	---	336.018	336.313	336.522A	336.583	336.477	336.404	9
10	---	---	---	---	---	336.7436	336.066	336.264	336.525	336.457	336.481	336.398	10
11	---	---	---	---	---	336.767	336.084	336.306	336.493	336.577	336.483	336.401	11
12	---	---	---	---	---	336.784	336.085	336.303	336.510	336.572	336.477	336.401	12
13	---	---	---	---	---	336.778	336.110	336.278	336.537	336.497	336.458	336.413	13
14	---	---	---	---	---	336.789	336.116	336.267	336.535	336.575	336.463	336.409	14
15	---	---	---	---	---	336.787	336.081	336.238	336.544	336.521	336.457	336.401	15
16	---	---	---	---	---	336.810	336.080	336.271	336.553	336.542	336.463	336.388	16
17	---	---	---	---	---	336.828	336.070	336.243A	336.520	336.537	336.462	336.403	17
18	---	---	---	---	---	336.837	336.032	---	336.566	336.518	336.458	336.397	18
19	---	---	---	---	---	336.850	336.122	---	336.564	336.548	336.443	336.404	19
20	---	---	---	---	---	336.898	336.193	---	336.546	336.523	336.440	336.388	20
21	---	---	---	---	---	336.889	336.184	---	336.571	336.525	336.447	336.386	21
22	---	---	---	---	---	336.869	336.176	---	336.568	336.543	336.446	336.389	22
23	---	---	---	---	---	336.888	336.178	---	336.554	336.536	336.434	336.386	23
24	---	---	---	---	---	336.902	336.201	---	336.532	336.528	336.453	336.372	24
25	---	---	---	---	---	336.913	336.223	---	336.492	336.485	336.469	336.389	25
26	---	---	---	---	---	336.930	336.230	---	336.503	336.517	336.432	336.385	26
27	---	---	---	---	---	336.938	336.248	---	336.533	336.515	336.432	336.361	27
28	---	---	---	---	---	336.942	336.246	---	336.541	336.487	336.435	336.389	28
29	---		---	---	---	336.952	336.257	---	336.544	336.534	336.438	336.372	29
30	---		---	---	---	336.943	336.257	---	336.532	336.504	336.448	336.357	30
31	---		---		---		336.256	---		336.510		336.352	31
MEAN	---	---	---	---	---	---	336.087	---	---	336.528	336.480	336.384	MEAN
MAX	---	---	---	---	---	---	336.257	---	---	336.583	336.500	336.439	MAX
MIN	---	---	---	---	---	---	335.842	---	---	336.457	336.432	336.352	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 336.583 ON OCT 0

MAXIMUM INSTANTANEOUS,
336.702 AT 20 29 CST ON OCT 5

WATER LEVELS ARE REFERRED TO SASKATCHEWAN DEPARTMENT OF NATURAL RESOURCES DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 50 N
LONG 101 40 00 W

A - MANUAL GAUGE

REGULATED SINCE 1930

RENNIE RIVER NEAR RENNIE - STATION NO. 05PC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.364	0.1558	0.118	0.383	5.85	0.186	0.021	0.028	0.009	0.008	0.006	0.012	1
2	0.347	0.1598	0.118	0.474	7.39	0.182	0.023	0.028	0.009	0.008	0.005	0.013	2
3	0.348	0.1488	0.125	0.577	7.59	0.178	0.021	0.029	0.009	0.009	0.005	0.015	3
4	0.343	0.1508	0.117	0.843	7.35	0.172	0.020	0.036	0.009	0.009	0.007	0.015	4
5	0.325	0.172	0.119	0.891	7.23	0.157	0.022	0.030	0.008	0.008	0.007	0.013	5
6	0.312	0.168	0.111	0.822	7.07	0.174	0.022	0.027	0.010	0.008	0.008	0.013	6
7	0.307	0.172	0.108	1.03	8.62	0.178	0.019	0.030	0.011	0.008	0.009	0.014	7
8	0.302	0.174	0.124	1.19	8.34	0.172	0.019	0.032	0.010	0.008	0.009	0.013	8
9	0.282	0.172	0.143	1.34	8.98 A	0.178	0.019	0.024	0.009	0.008	0.008	0.012	9
10	0.284	0.182	0.138	1.49	11.7 A	0.172	0.018	0.015	0.010	0.008	0.009	0.013	10
11	0.276	0.153	0.134	1.84	10.3	0.177	0.022	0.017	0.010	0.008	0.008	0.013	11
12	0.279	0.151	0.131	1.78	9.43	0.170	0.027	0.023	0.011	0.005	0.008	0.012	12
13	0.274	0.145	0.128	1.84	8.48	0.178	0.031	0.019	0.010	0.008	0.009	0.010	13
14	0.282	0.140	0.124	1.82	7.78	0.178	0.030	0.020	0.010	0.008	0.008	0.011	14
15	0.252	0.138	0.114	1.87	8.88	0.177	0.029	0.015	0.010	0.005	0.008	0.012	15
16	0.244	0.134	0.105	2.87	8.28	0.182	0.029	0.011	0.010	0.008	0.009	0.011	16
17	0.264	0.150	0.115	3.55	5.45	0.180	0.032	0.014	0.011	0.006	0.008	0.010	17
18	0.259	0.150	0.112	3.46	4.96	0.185	0.041	0.013	0.010	0.005	0.008	0.011	18
19	0.251	0.155	0.101	3.40	3.86	0.184	0.043	0.019	0.008	0.005	0.010	0.011	19
20	0.238	0.158	0.100	3.33	0.875	0.082	0.028	0.024	0.009	0.005	0.008	0.010	20
21	0.230	0.153	0.100	3.21	0.220	0.023	0.041	0.023	0.008	0.005	0.009	0.010	21
22	0.220	0.143	0.101	3.25	0.214	0.028	0.037	0.018	0.009	0.006	0.010	0.009	22
23	0.207	0.136	0.095	3.12	0.212	0.026	0.038	0.013	0.009	0.006	0.010	0.008	23
24	0.2128	0.131	0.090	2.99	0.207	0.026	0.036	0.011	0.009	0.007	0.010	0.011	24
25	0.2018	0.127	0.105	2.95	0.203	0.023	0.031	0.011	0.008	0.008	0.010	0.011	25
26	0.1848	0.123	0.121	3.12	0.201	0.022	0.032	0.009	0.009	0.005	0.011	0.010	26
27	0.1788	0.125	0.123	3.20	0.201	0.021	0.033	0.009	0.008	0.007	0.013	0.010	27
28	0.1788	0.121	0.129	3.44	0.198	0.021	0.032	0.009	0.008	0.007	0.013	0.009	28
29	0.1768		0.150	3.71	0.195	0.022	0.035	0.009	0.008	0.006	0.014	0.010	29
30	0.1808		0.214	3.85	0.191	0.021	0.035	0.009	0.009	0.006	0.013	0.010	30
31	0.1858		0.284		0.188		0.033	0.009		0.006		0.009	31
TOTAL	7.915	4.189	3.907	67.300	142.845	3.614	0.910	0.582	0.281	0.205	0.370	0.351	TOTAL
MEAN	0.255	0.149	0.126	2.24	4.61	0.120	0.029	0.019	0.009	0.007	0.008	0.011	MEAN
MAX	0.364	0.174	0.284	3.85	11.7	0.185	0.043	0.036	0.011	0.008	0.014	0.015	MAX
MIN	0.155	0.121	0.090	0.383	0.188	0.021	0.018	0.009	0.008	0.005	0.005	0.008	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.637
MAXIMUM DAILY, 11.7A ON MAY 10
MINIMUM DAILY, 0.005 ON OCT 11

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 42 N
LONG 95 32 40 W
DRAINAGE AREA, 159 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	684	JUL	78.6
FEB	360	AUG	50.3
MAR	338	SEP	24.3
APR 5	810	OCT	17.7
MAY 12	300	NOV	23.3
JUN	312	DEC	30.3

TOTAL DISCHARGE, 20 000 dam³

RIVERS RESERVOIR NEAR RIVERS - STATION NO. 05MF020

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	487.287	487.240	487.158	488.840	488.684	488.580	488.340	488.312	488.252	488.030	487.987	487.787	1
2	487.284	487.239	487.156	488.784	488.678	488.553	488.336	488.312	488.246	488.072	487.943	487.811	2
3	487.282	487.237	487.153	488.803	488.663	488.548	488.332	488.312	488.236	488.105	487.917	487.822	3
4	487.280	487.235	487.150	488.804	488.662	488.531	488.328	488.315	488.211	488.144	487.894	487.833	4
5	487.288	487.233	487.158	488.804	488.699	488.514	488.383	488.318	488.180	488.180	487.894	487.844	5
6	487.285	487.232	487.154	488.785	488.720	488.503	488.382	488.325	488.147	488.211	487.887	487.853	6
7	487.282	487.231	487.151	488.787	488.732	488.496	488.387	488.321	488.113	488.222	487.905	487.861	7
8	487.279	487.230	487.148	488.807	488.764	488.482	488.373	488.317	488.080	488.218	487.918	487.873	8
9	487.276	487.228	487.145	488.817	488.783	488.466	488.384	488.316	488.049	488.213	487.879	487.882	9
10	487.274	487.225	487.142	488.802	488.776	488.464	488.385	488.311	488.010	488.212	487.870	487.889	10
11	487.272	487.223	487.138	488.789	488.843	488.490	488.350	488.309	487.976	488.206	487.861	487.900	11
12	487.286	487.221	487.135	488.737	488.952	488.448	488.346	488.308	487.972	488.197	487.843	487.910	12
13	487.283	487.218	487.132	488.709	488.995	488.441	488.338	488.307	487.968	488.188	487.822	487.919	13
14	487.284	487.215	487.130	488.689	489.020	488.437	488.338	488.307	487.965	488.184	487.811	487.928	14
15	487.284	487.211	487.127	488.888	489.052	488.436	488.336	488.307	487.963	488.170	487.806	487.936	15
16	487.282	487.208	487.124	488.647	489.059	488.433	488.336	488.304	487.957	488.184	487.798	487.946	16
17	487.288	487.204	487.121	488.629	489.035	488.425	488.342	488.300	487.955	488.152	487.793	487.955	17
18	487.288	487.201	487.118	488.643	488.986	488.419	488.344	488.296	487.955	488.144	487.787	487.964	18
19	487.288	487.198	487.115	488.681	488.952	488.422	488.340	488.292	487.954	488.151	487.782	487.974	19
20	487.289	487.195	487.115	488.702	488.917	488.426	488.339	488.284	487.950	488.145	487.778	487.982	20
21	487.288	487.191	487.117	488.710	488.878	488.409	488.338	488.273	487.948	488.131	487.788	487.980	21
22	487.288	487.187	487.120	488.711	488.842	488.383	488.337	488.270	487.944	488.120	487.782	487.987	22
23	487.287	487.184	487.187	488.711	488.808	488.373	488.330	488.268	487.941	488.103	487.758	488.007	23
24	487.286	487.181	487.301	488.711	488.779	488.368	488.327	488.268	487.942	488.090	487.755	488.012	24
25	487.284	487.178	487.403	488.714	488.753	488.370	488.321	488.269	487.952	488.077	487.750	488.020	25
26	487.281	487.176	487.454	488.718	488.728	488.385	488.321	488.268	487.985	488.078	487.746	488.028	26
27	487.280	487.174	487.512	488.713	488.704	488.388	488.321	488.266	487.976	488.075	487.750	488.038	27
28	487.249	487.171	487.640	488.706	488.681	488.374	488.328	488.262	487.977	488.080	487.780	488.043	28
29	487.246		487.852	488.691	488.651	488.360	488.326	488.261	487.969	488.043	487.773	488.050	29
30	487.243		488.075	488.889	488.643	488.349	488.314	488.259	488.006	488.018	487.784	488.059	30
31	487.241		488.345		488.619		488.311	488.258		487.997		488.065	31
MEAN	487.286	487.210	487.285	488.727	488.808	488.442	488.341	488.293	488.026	488.132	487.826	487.942	MEAN
MAX	487.287	487.240	488.345	488.817	489.059	488.580	488.382	488.325	488.252	488.232	487.987	488.065	MAX
MIN	487.241	487.171	487.115	488.629	488.619	488.349	488.311	488.258	487.941	487.997	487.745	487.787	MIN

WATER LEVELS IN METRES

MEAN, 488.029
MAXIMUM DAILY, 489.059 ON MAY 19
MINIMUM DAILY, 487.115 ON MAR 19
MAXIMUM INSTANTANEOUS,
489.068 AT 19.11 CST ON MAY 19

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 37 N
LONG 100 11 58 W

REGULATED

RIVIERE aux MARAIS NEAR CHRISTIE - STATION NO. 05DC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.09 B	0.248	0.017	0	0.006	0	0	---	---	1
2	---	---	0 B	2.16 E	0.209	0.008	0	0.005	0	0	---	---	2
3	---	---	0 B	1.66 E	0.176	0.002	0	0.004	0	0	---	---	3
4	---	---	0 B	1.27 E	0.165	0.002	0	0.001	0	0	---	---	4
5	---	---	0 B	0.988A	0.163	0.003	0	0	0	0	---	---	5
6	---	---	0 B	1.21	0.177	0.006	0	0	0	0	---	---	6
7	---	---	0 B	1.14	0.187	0.008	0	0	0	0	---	---	7
8	---	---	0 B	0.940	0.207	0.006	0	0	0	0	---	---	8
9	---	---	0 B	0.860	0.228	0.006	0	0	0	0	---	---	9
10	---	---	0 B	0.839	0.236	0.006	0	0	0	0	---	---	10
11	---	---	0 B	0.810	0.267	0.007	0	0	0	0	---	---	11
12	---	---	0 B	0.817	0.573	0.008	0.008	0	0	0	---	---	12
13	---	---	0 B	0.703	0.576	0.005	0.029	0	0	0	---	---	13
14	---	---	0 B	0.627	0.362	0.005	0.052	0	0	0	---	---	14
15	---	---	0 B	0.554	0.269	0.006	0.069	0	0	0	---	---	15
16	---	---	0 B	0.494	0.234	0.010	0.097	0	0A	0	---	---	16
17	---	---	0 B	0.480	0.213	0.[illegible]08	0.115	0	0E	0	---	---	17
18	---	---	0 B	0.451	0.190	0.[illegible]08	0.126	0	0E	0	---	---	18
19	---	---	0 B	0.463	0.177	0.008	0.131	0	0E	0	---	---	19
20	---	---	0 B	0.451	0.178	0.011	0.129	0	0E	0	---	---	20
21	---	---	0 B	0.402	0.177	0.012	0.123	0	0E	0	---	---	21
22	---	---	0 B	0.344	0.132	0.012	0.118	0	0E	0	---	---	22
23	---	---	0.1888	0.284	0.187	0.012	0.112	0	0E	0	---	---	23
24	---	---	0.9028	0.245	0.192	0.011	0.089	0	0E	0	---	---	24
25	---	---	2.93 E	0.226	0.207	0.010	0.010	0	0E	0	---	---	25
26	---	---	7.46 B	0.229	0.203	0.008	0.002	0	0E	0	---	---	26
27	---	---	10.1 B	0.229	0.188	0.006	0.006	0	0E	0	---	---	27
28	---	---	16.1 B	0.242	0.672	0.003	0.009	0	0E	0	---	---	28
29	---		9.26 B	0.235	0.617	0	0.010	0	0E	0	---	---	29
30	---		6.73 B	0.217	0.630	0	0.011	0	0A	0	---	---	30
31	---		4.32 B		0.625		0.010	0		0		---	31
TOTAL	---	---	58.018	22.840	8.443	0.217	1.333	0.019	0	0	---	---	TOTAL
MEAN	---	---	1.87	0.761	0.208	0.007	0.040	0.001	0	0	---	---	MEAN
MAX	---	---	16.1	3.09	0.576	0.017	0.131	0.006	0	0	---	---	MAX
MIN	---	---	0	0.217	0.017	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.382
MAXIMUM DAILY, 16.1B ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 30 N
LONG 97 18 00 W
DRAINAGE AREA, 201 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	107
FEB	---	AUG	1 84
MAR	5 010	SEP	0
APR	1 970	OCT	0
MAY	557	NOV	---
JUN	18 7	DEC	---

TOTAL DISCHARGE, 7 880 dam³

ROARING RIVER NEAR MINITONAS - STATION NO. 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4338	24.6 B	9.67	2.88	1.20	0.925	0.364E	5.56	---	---	1
2	---	---	0.4828	21.4 B	8.77	2.88	1.06	2.62	0.345E	4.61	---	---	2
3	---	---	0.5048	13.8	8.62	2.46	0.971	3.39	0.322E	3.78	---	---	3
4	---	---	0.5438	11.0	17.4	2.26	0.862	6.88	0.284E	3.15	---	---	4
5	---	---	0.6088	14.3	19.9	2.25	0.854	1.85	0.262E	2.76	---	---	5
6	---	---	0.6208	14.2	18.5	2.28	1.28	1.19	0.233E	2.52	---	---	6
7	---	---	0.6868	17.0	14.3	2.70	2.82	1.84	0.214E	2.34	---	---	7
8	---	---	0.7788	18.0	12.4	2.51	2.86	5.44	0.202A	2.11	---	---	8
9	---	---	0.8018	17.7	10.9	2.34	3.63	5.76	0.190	2.01	---	---	9
10	---	---	0.8178	22.6	10.6	2.16	3.98	5.68	0.184A	2.05	---	---	10
11	---	---	0.8358	25.0	11.0	2.11	3.84	5.44	0.182E	2.01	---	---	11
12	---	---	0.8638	17.8	11.0	1.86	3.87	4.62	0.233E	2.34	---	---	12
13	---	---	0.8918	14.1	11.5	1.87	3.85	3.87	0.274E	2.26	---	---	13
14	---	---	0.9078	10.9	11.7	1.72	3.85	3.23	0.252E	2.11	---	---	14
15	---	---	0.9318	9.21	10.5	1.59	3.50	2.77	0.230E	1.99	---	---	15
16	---	---	0.9628	8.41	10.8	1.45	3.10	2.38	0.238E	1.89	---	---	16
17	---	---	1.01 B	7.85	11.4	1.33	3.27	2.15	0.254E	1.79	---	---	17
18	---	---	1.07 B	8.02	11.0	1.20	3.64	1.90	0.264E	1.71	---	---	18
19	---	---	1.13 B	11.1	10.1	1.30	3.19	1.67	0.257E	1.67	---	---	19
20	---	---	1.22 B	11.3	9.26	2.16	2.72	1.51 A	0.264E	1.49	---	---	20
21	---	---	1.35 B	9.89	8.62	3.88	2.41	1.36 E	0.287E	1.42	---	---	21
22	---	---	1.54 B	8.95	7.70	2.94	2.19	1.19 E	0.294E	1.36	---	---	22
23	---	---	1.76 B	9.48	6.87	2.29	0.841	1.07 E	0.322A	1.30	---	---	23
24	---	---	2.08 B	10.4	6.16	2.22	0.895	0.938E	0.370A	1.25	---	---	24
25	---	---	2.45 B	11.1	5.59	14.0	1.39	0.823E	0.445	1.24	---	---	25
26	---	---	2.80 B	10.5	5.19	5.00	1.36	0.718E	0.952	1.19	---	---	26
27	---	---	3.08 B	9.30	4.82	2.84	1.19	0.628E	2.50	1.15	---	---	27
28	---	---	3.22 B	8.65	4.29	2.01	1.11	0.554E	4.40	1.08	---	---	28
29	---		6.37 B	8.56	3.90	1.54	0.977	0.502E	5.65	1.01	---	---	29
30	---		10.8 B	8.84	3.80	1.37	1.04	0.447E	5.15	0.970B	---	---	30
31	---		17.1 B		3.18		0.908	0.402E		0.930B		---	31
TOTAL	---	---	68.749	385.47	298.74	79.26	75.849	73.545	26.913	52.960	---	---	TOTAL
MEAN	---	---	2.22	13.2	9.64	2.64	2.45	2.37	0.884	2.03	---	---	MEAN
MAX	---	---	17.1	25.0	19.9	14.0	8.80	6.88	5.65	5.55	---	---	MAX
MIN	---	---	0.433	7.85	3.18	1.20	0.841	0.402	0.184	0.930	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.41
MAXIMUM DAILY, 25.0 ON APR 11
MINIMUM DAILY, 0.184A ON SEP 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 09 10 N
LONG 101 03 10 W
DRAINAGE AREA, 838 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	6 550
FEB	---	AUG	6 350
MAR	6 540	SEP	2 290
APR	34 200	OCT	5 440
MAY	25 800	NOV	---
JUN	8 850	DEC	---

TOTAL DISCHARGE, 93 400 dam³

ROCK LAKE NEAR GLENORA - STATION NO. 05OC004

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	405.246E	405.221E	405.257E	405.788E	---	405.404E	405.315E	405.229	405.085E	405.087E	405.088E	405.235E	1
2	405.240E	405.224E	405.258E	405.781	---	405.387E	405.319	405.223E	405.084E	405.087	405.071E	405.241	2
3	405.234E	405.227E	405.280E	---	---	405.370E	---	405.218E	405.092E	405.087E	405.072E	405.239E	3
4	405.228E	405.230E	405.261E	---	---	405.352E	---	405.210E	405.090E	405.087E	405.074E	405.235	4
5	405.222E	405.233	405.263	---	---	405.338E	---	405.203E	405.088	405.087E	405.076E	405.238E	5
6	405.218E	405.234E	405.263	---	---	405.319	---	405.198E	405.087E	405.087E	405.077	405.243E	6
7	405.210E	405.238E	405.263E	---	---	405.311E	---	405.189	405.085E	405.087E	---	405.247E	7
8	405.203	405.237E	405.263E	---	---	405.303E	---	405.187E	405.084E	405.087E	---	405.251E	8
9	405.203E	405.239E	405.263E	405.679	---	405.295E	---	405.185E	405.082E	405.087E	---	405.254E	9
10	405.203E	405.241E	405.263E	---	---	405.285E	---	405.183E	405.080E	405.087	---	405.256E	10
11	405.203E	405.243	405.263E	---	---	405.270E	405.319	405.181E	405.078	405.086E	---	405.262E	11
12	405.203E	405.238	405.263	---	---	405.259	---	405.179	405.076E	405.084E	---	405.259	12
13	405.203E	405.240E	405.264E	---	405.676	405.259E	---	405.174E	405.073E	405.083E	---	405.266E	13
14	405.203E	405.242E	405.265E	---	405.663E	405.248E	---	405.168E	405.070E	405.081E	---	405.268E	14
15	405.203	405.244E	405.267E	---	405.653E	405.238E	---	405.163E	405.067E	405.079E	---	405.268E	15
16	405.204E	405.246E	405.268E	405.628	405.641E	405.228E	---	405.157E	405.064E	405.077	---	405.268E	16
17	405.206E	405.248E	405.270E	405.542E	405.630E	405.218E	---	405.152E	405.061E	405.077E	---	405.268E	17
18	405.207E	405.250E	405.271E	405.557	405.619E	405.208E	405.289	405.146E	405.058	405.077E	405.264	405.265	18
19	405.208E	405.253	405.273	---	405.608E	405.199	405.278E	405.141E	405.057E	405.077E	405.264E	---	19
20	405.210E	405.253E	405.336E	---	405.597E	405.213E	405.263E	405.135E	405.056E	405.077E	405.264	---	20
21	405.211E	405.253E	405.403E	---	405.586E	405.227E	405.249	405.129	405.054E	405.077E	405.265E	---	21
22	405.213	405.253E	405.468E	---	405.574	405.241E	405.249E	405.128E	405.053E	405.077E	405.266E	---	22
23	405.206	405.253E	405.533E	---	405.558E	405.256E	405.249	405.126E	405.051E	405.077	405.268E	---	23
24	405.206E	405.253E	405.598E	405.858	405.542E	405.270E	---	405.125E	405.050E	405.076E	405.269E	---	24
25	405.208E	405.253E	405.663	---	405.526E	405.284E	---	405.123	405.048	405.076E	405.211E	---	25
26	405.210E	405.253	405.677E	---	405.510E	405.299	---	405.118E	405.055E	405.073E	405.212E	---	26
27	405.211E	405.254E	405.692E	---	405.494E	405.302E	---	405.113E	405.053E	405.072E	405.214	---	27
28	405.212E	405.255E	405.707E	---	405.477	405.305E	---	405.108E	405.071E	405.070E	405.219E	---	28
29	405.213		405.722E	---	405.454	405.308E	---	405.103E	405.079E	405.069E	405.224E	---	29
30	405.215E		405.736E	405.674	405.438E	405.312E	405.459	405.098	405.087	405.067	405.230E	---	30
31	405.218E		405.751E		405.421E		405.344E	405.097E		405.068E		405.298E	31
MEAN	405.212	405.243	405.397	---	---	405.284	---	405.158	405.072	405.080	---	---	MEAN
MAX	405.246	405.255	405.751	---	---	405.404	---	405.229	405.095	405.087	---	---	MAX
MIN	405.203	405.221	405.257	---	---	405.199	---	405.097	405.048	405.067	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 40 N
LONG 99 08 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROLLING RIVER NEAR ERICKSON - STATION NO. 05MF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2538	0.2238	0.2158	4.188	8.20	4.46	1.71	1.70	0.447	3.18	0.9538	0.7328	1
2	0.2558	0.2278	0.2168	5.058	8.21	4.18	1.82	1.86	0.418	2.87	1.07 E	0.7328	2
3	0.2578	0.2298	0.2038	7.088	8.38	4.04	1.52	1.85	0.406	2.54	0.8868	0.7418	3
4	0.2598	0.2318	0.2018	8.328	8.87	3.88	1.45	1.81	0.406	2.36	0.9748	0.7878	4
5	0.2609	0.2338	0.2068	10.1 E	9.80	3.85	1.45	1.46	0.392	2.31	0.8818	0.7808	5
6	0.2638	0.2368	0.2068	10.3 E	12.7	3.85	1.61	1.45	0.332	2.24	0.8838	0.7478	6
7	0.2498	0.2358	0.2138	9.828	26.8	3.48	1.60	1.61	0.281	2.14	0.9008	0.7188	7
8	0.2538	0.2318	0.2158	9.26	37.5	3.29	1.64	1.60	0.271	2.03	0.9988	0.7128	8
9	0.2568	0.2288	0.2068	8.86	37.1	3.16	1.67	1.67	0.258	1.97	0.9478	0.7178	9
10	0.2588	0.2278	0.2038	8.69	34.2	3.11	1.65	1.75	0.246	1.94	0.8538	0.7078	10
11	0.2618	0.2258	0.2068	8.63	31.2	2.98	1.67	1.89	0.278	1.88	0.8868	0.7048	11
12	0.2668	0.2188	0.2088	8.38	27.6	3.04	1.82	1.81	0.330	1.80	0.8748	0.6988	12
13	0.2558	0.2158	0.2098	7.73	23.4	2.85	2.01	1.32	0.289	1.75	0.8948	0.6738	13
14	0.2578	0.2128	0.2138	6.87	18.5	2.91	2.17	1.24	0.241	1.87	0.8418	0.6738	14
15	0.2638	0.2098	0.2258	7.00	16.8	2.77	2.36	1.13	0.254	1.68	0.8088	0.6898	15
16	0.2668	0.2078	0.2368	6.51	14.6	2.83	2.86	1.08	0.272	1.52	0.7818	0.6658	16
17	0.2678	0.2118	0.2288	6.31	12.9	3.45	2.69	1.04	0.322	1.49	0.8018	0.6598	17
18	0.2678	0.2128	0.2108	6.49	11.5	2.31	2.63	1.02	0.378	1.46	0.7738	0.6408	18
19	0.2658	0.2118	0.1988	6.92	10.6	2.13	2.38	0.980	0.446	1.44	0.7878	0.6478	19
20	0.2628	0.2078	0.2088	7.97	9.84	2.06	2.25	0.883	0.515	1.37	0.7818	0.6348	20
21	0.2578	0.2048	0.2178	10.6	9.17	1.97	2.12	0.869	0.569	1.35	0.8058	0.6048	21
22	0.2538	0.2088	0.2638	13.0	8.61	1.89	1.97	1.10	0.632	1.19	0.8128	0.5948	22
23	0.2578	0.2488	0.2778	12.5	7.92	1.73	1.89	1.11	0.526	1.16	0.8018	0.5908	23
24	0.2648	0.2078	0.2208	11.0	7.61	1.57	1.80	1.02	0.845	1.15	0.8288	0.5888	24
25	0.2628	0.2118	0.2128	9.85	8.93	1.53	1.36	0.888	0.730	1.13	0.8418	0.5828	25
26	0.2518	0.2188	0.2268	9.36	8.48	1.67	1.33	0.819	0.830	1.10	0.8488	0.5818	26
27	0.2458	0.2088	0.2488	8.85	8.08	1.89	1.39	0.848	1.75	1.07	0.8288	0.5988	27
28	0.2378	0.2158	0.8188	8.48	8.72	1.79	1.62	0.783	2.55	1.05	0.8058	0.5828	28
29	0.2278		1.89 E	8.05	8.37	1.85	1.70	0.887	3.08	1.04	0.7818	0.5818	29
30	0.2208		2.84 E	7.88	8.04	1.83	1.80	0.578	3.30	1.02	0.7488	0.5888	30
31	0.2188		4.71 E		8.78		1.77	0.458		1.04		0.5988	31
TOTAL	7.884	5.104	15.132	255.31	442.75	80.84	58.31	37.510	21.898	51.78	25.898	20.475	TOTAL
MEAN	0.254	0.218	0.520	8.51	14.3	2.69	1.82	1.21	0.723	1.67	0.867	0.660	MEAN
MAX	0.267	0.236	4.71	13.0	37.5	4.46	2.69	1.75	3.30	3.18	1.07	0.780	MAX
MIN	0.218	0.207	0.188	4.18	4.78	1.53	1.33	0.458	0.241	1.02	0.658	0.581	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.80
MAXIMUM DAILY, 37.5 ON MAY 2
MINIMUM DAILY, 0.1880 ON MAR 19
MAXIMUM INSTANTANEOUS,
38.3 AT 16.45 CST ON MAY 8

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 12 N
LONG 99 55 27 W
DRAINAGE AREA, 760 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	679	JUL	4 870
FEB	537	AUG	3 240
MAR	1 390	SEP	1 870
APR	22 100	OCT	4 470
MAY	38 300	NOV	2 220
JUN	6 970	DEC	1 770

TOTAL DISCHARGE, 88 690 dam³

ROSEAU RIVER AT GARDENTON - STATION NO. 05OD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5999	54.8	78.0	57.5	4.58	3.40	0.257	0.873	---	---	1
2	---	---	0.6058	54.8	78.8	55.9	4.21	2.93	0.377	1.09	---	---	2
3	---	---	0.6098	55.6	78.2	54.5	3.94	2.68	0.486	1.12	---	---	3
4	---	---	0.6008	55.5	73.7	52.8	4.01	2.15	0.375	1.16	---	---	4
5	---	---	0.5848	55.3	76.0	51.0	7.84	1.81	0.288	1.00	---	---	5
6	---	---	0.5818	55.6	76.5	49.6	7.99	1.54	0.280	1.07	---	---	6
7	---	---	0.5888	56.2	75.7	48.4	8.02	1.41	0.275	1.45	---	---	7
8	---	---	0.6188	56.6	75.0	46.4	8.19	1.15	0.275	1.58	---	---	8
9	---	---	0.6408	58.4	75.4	44.2	7.73	1.04	0.258	1.38	---	---	9
10	---	---	0.6828	60.4	75.7	41.1	7.08	0.884	0.273	1.19	---	---	10
11	---	---	0.7788	62.6	76.1	35.8	6.89	0.898	0.383	1.10	---	---	11
12	---	---	2.86 B	63.8	76.2	28.8	6.84	0.870	0.296	1.86	---	---	12
13	---	---	3.17 B	67.5	77.4	24.0	6.41	0.898	0.271	1.73	---	---	13
14	---	---	2.87 B	68.4	77.1	19.4	6.00	1.15	0.265	1.80	---	---	14
15	---	---	2.37 B	69.4	77.0	16.5	5.80	0.978	0.255	1.55	---	---	15
16	---	---	2.39 B	71.0	76.1	14.7	5.03	0.770	0.260	1.44	---	---	16
17	---	---	2.26 B	71.1	74.0	13.1	4.51	0.806	0.285	1.40	---	---	17
18	---	---	2.08 B	71.5	73.2	12.0	4.16	0.522	0.281	1.35	---	---	18
19	---	---	1.81 B	73.7	72.0	11.0	4.12	0.452	0.281	1.31	---	---	19
20	---	---	2.41 B	73.3	71.1	10.8	4.20	0.369	0.252	1.20	---	---	20
21	---	---	2.38 B	72.1	70.2	10.8	4.07	0.297	0.250	1.27	---	---	21
22	---	---	1.82 B	70.4	69.4	10.1	3.86	0.289	0.270	1.33	---	---	22
23	---	---	2.46 B	69.1	68.6	9.81	3.29	0.248	0.303	1.46	---	---	23
24	---	---	5.03 B	66.3	67.9	9.20	3.00	0.241	0.369	1.51	---	---	24
25	---	---	5.77 B	65.9	67.4	8.37	2.97	0.268	0.413	1.49	---	---	25
26	---	---	5.92 B	66.3	66.4	7.48	2.86	0.725	0.371	1.34	---	---	26
27	---	---	6.19 B	66.6	65.5	6.76	3.04	0.850	0.389	1.21	---	---	27
28	---	---	12.4 B	71.4	64.5	6.11	3.12	0.547	2.05	1.07	---	---	28
29	---		20.8 B	72.8	63.1	5.48	2.89	0.428	1.90	0.988	---	---	29
30	---		31.0 B	73.5	61.4	5.09	3.30	0.245	1.21	0.948	---	---	30
31	---		30.2 B		59.4		3.70	0.264		1.00	---	---	31
TOTAL	---	---	176.815	1 953.8	2 236.1	767.53	152.95	30.589	13.498	40.139	---	---	TOTAL
MEAN	---	---	5.67	65.1	72.1	25.6	4.93	0.987	0.450	1.29	---	---	MEAN
MAX	---	---	30.2	73.7	78.8	57.5	8.19	3.40	2.05	1.88	---	---	MAX
MIN	---	---	0.581	54.8	59.4	5.09	2.86	0.241	0.250	0.948	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.8
MAXIMUM DAILY, 78.9 ON MAY 2
MINIMUM DAILY, 0.241 ON AUG 24
MAXIMUM INSTANTANEOUS,
78.7 AT 04:51 CST ON MAY 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 15 N
LONG 96 41 15 W
DRAINAGE AREA, 4 470 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	13 200
FEB	---	AUG	2 640
MAR	15 200	SEP	1 170
APR	168 000	OCT	3 470
MAY	193 000	NOV	---
JUN	66 300	DEC	---

TOTAL DISCHARGE, 484 000 dam³

ROSEAU RIVER NEAR CARIBOU - STATION NO. 05OD030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.25 B	0.7368	0.8808	38.68	58.5	50.7	3.17	2.61	0.368	1.18	1.27	0.9068	1
2	1.22 B	0.7858	0.8808	44.2	59.5	49.3	2.83	2.15	0.453	1.16	1.98	0.9068	2
3	1.19 B	0.7938	0.8808	46.3	58.5	48.4	2.55	1.78	0.453	1.25	2.68	0.9068	3
4	1.16 B	0.8218	0.7068	46.4	58.5	47.3	2.66	1.44	0.398	1.19	1.84	0.9068	4
5	1.16 B	0.8218	0.7368	48.1	59.5	46.2	3.51	1.25	0.425	1.18	1.42	0.8788	5
6	1.13 B	0.8218	0.7938	50.4	60.3	44.7	5.35	1.08	0.453	1.30	0.8508	0.8788	6
7	1.13 B	0.8508	0.9068	52.7	60.8	43.8	6.23	0.908	0.453	1.67	0.5868	0.8788	7
8	1.10 B	0.8508	1.13 B	54.4	61.7	41.6	6.80	0.785	0.396	1.84	0.481	0.8788	8
9	1.10 B	0.8218	1.42 B	56.9	63.1	38.6	6.23	0.708	0.425	1.47	0.538	0.8508	9
10	1.08 B	0.8218	1.70 B	59.7	64.8	34.0	5.36	0.708	0.453	1.33	1.22	0.8508	10
11	1.08 B	0.8218	2.10 B	62.9	65.4	28.8	5.24	0.708	0.396	1.58	1.16	0.8508	11
12	1.05 B	0.7938	2.10 B	64.6	66.8	23.3	5.35	0.708	0.425	1.61	1.13 B	0.8508	12
13	1.05 B	0.7938	1.61 B	65.7	66.8	19.1	5.41	0.821	0.396	1.61	1.10 B	0.8218	13
14	1.02 B	0.7658	1.58 B	66.3	66.3	16.1	5.30	0.765	0.396	1.76	1.10 B	0.8218	14
15	1.02 B	0.7658	1.42 B	66.5	66.0	14.0	5.07	0.880	0.368	1.67	1.08 B	0.8218	15
16	0.8918	0.7368	1.36 B	66.6	65.4	13.1	4.78	0.538	0.311	1.58	1.05 B	0.8218	16
17	0.8638	0.7368	1.36 B	66.5	64.3	11.9	4.46	0.453	0.311	1.47	1.05 B	0.7938	17
18	0.8638	0.7368	1.36 B	66.5	63.7	10.8	4.08	0.368	0.311	1.38	1.02 B	0.7938	18
19	0.8348	0.7088	1.36 B	66.5	63.1	9.94	4.05	0.311	0.272	1.30	1.02 B	0.7938	19
20	0.8348	0.7088	1.42 B	66.7	62.5	9.49	4.11	0.275	0.263	1.30	1.02 B	0.7938	20
21	0.8348	0.7088	1.47 B	63.7	61.7	9.80	3.91	0.229	0.283	1.30	0.9918	0.7658	21
22	0.8348	0.6808	1.58 B	62.3	60.9	8.86	3.34	0.229	0.396	1.33	0.9918	0.7658	22
23	0.8348	0.6808	1.87 B	61.2	60.3	8.13	2.89	0.238	0.368	1.42	0.9918	0.7658	23
24	0.8348	0.6808	2.27 B	59.2	59.7	7.62	2.72	0.340	0.340	1.42	0.9918	0.7658	24
25	0.8348	0.6808	2.83 B	57.8	58.9	6.82	2.72	0.821	0.311	1.19	0.9638	0.7368	25
26	0.8068	0.6808	3.86 B	58.6	57.8	5.97	2.44	0.821	0.453	1.13	0.9638	0.7368	26
27	0.8508	0.6808	5.66 B	57.8	56.6	5.24	2.41	0.880	1.05	1.10	0.9638	0.7368	27
28	0.7368	0.6808	8.50 B	58.6	55.5	4.65	2.49	0.538	1.84	1.08	0.9348	0.7368	28
29	0.6808		17.0 B	57.2	54.7	3.98	2.44	0.481	1.47	1.05	0.9348	0.7088	29
30	0.6808		28.3 B	58.3	53.5	3.51	2.72	0.453	1.25	1.02	0.9348	0.7088	30
31	0.6808		36.8 B		52.4		3.03	0.396		1.02		0.7088	31
TOTAL	30.727	21.128	135.563	1 750.4	1 890.5	885.40	123.61	24.230	15.485	42.11	33.210	25.120	TOTAL
MEAN	0.991	0.755	4.37	58.3	61.0	22.2	3.99	0.782	0.516	1.38	1.11	0.810	MEAN
MAX	1.25	0.850	36.8	66.8	66.8	50.7	6.80	2.61	1.84	1.81	2.68	0.906	MAX
MIN	0.880	0.680	0.880	39.6	52.4	3.51	2.41	0.229	0.263	1.02	0.481	0.708	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.0
MAXIMUM DAILY, 66.8 ON APR 16
MINIMUM DAILY, 0.229 ON AUG 21
MAXIMUM INSTANTANEOUS,
67.1 ON MAY 13

SUMMARY FOR THE YEAR 1986

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 54 N
LONG 96 27 46 W
DRAINAGE AREA, 4 150 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 850	JUL	10 700
FEB	1 830	AUG	2 090
MAR	11 700	SEP	1 240
APR	151 000	OCT	3 640
MAY	182 000	NOV	2 870
JUN	57 500	DEC	2 170

TOTAL DISCHARGE, 410 000 dam³

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD802

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	236.588E	234.288	233.088	232.910	232.815E	232.919	232.831E	---	1
2	---	---	---	---	236.824	234.288E	233.085E	232.922E	232.818E	232.937E	232.816	---	2
3	---	---	---	---	236.838E	234.266	233.062E	232.937E	232.818E	232.958E	232.834E	---	3
4	---	---	---	---	236.857	234.202	233.059	232.963E	232.821	232.974E	232.853	---	4
5	---	---	---	---	236.830E	234.126E	233.029E	232.966	232.815E	232.995	232.922E	---	5
6	---	---	---	---	236.802E	234.050	232.995	232.922E	232.806	232.937E	232.889E	---	6
7	---	---	---	---	236.772	234.018E	233.071E	232.878E	232.849	232.876	232.855	---	7
8	---	---	---	---	236.753E	233.983	233.151E	232.831	232.818E	232.858	---	---	8
9	---	---	---	---	236.733	233.918E	232.230	232.869	232.788E	232.873E	---	---	9
10	---	---	---	---	236.655E	233.848E	233.189E	232.879	232.754	232.892E	---	---	10
11	---	---	---	---	236.598	233.779	233.188E	232.878E	232.754E	232.910	---	---	11
12	---	---	---	---	---	233.884E	233.132	232.870	232.767E	232.901	---	---	12
13	---	---	---	---	---	233.587	233.120	232.918	232.761	232.977E	---	---	13
14	---	---	---	---	---	233.501E	233.114E	232.800	232.837	233.053E	---	---	14
15	---	---	---	---	---	233.413	233.108E	232.808E	232.864E	233.132	---	---	15
16	---	---	---	---	236.220	233.364E	233.102	232.813E	232.882E	233.154E	---	---	16
17	---	---	---	236.315	236.104E	233.312E	233.088E	232.818E	232.922	233.178	---	---	17
18	---	---	---	236.147E	235.888	233.280E	233.067E	232.828	232.818	233.029E	---	---	18
19	---	---	---	235.976	235.673E	233.209	233.078	232.825E	232.837E	232.876	---	---	19
20	---	---	---	235.891	235.767E	233.212E	233.023E	232.821	232.855E	232.898E	---	---	20
21	---	---	---	235.848E	235.638	233.218	232.985	232.825E	232.876	232.919E	---	---	21
22	---	---	---	235.802E	235.556E	233.178	233.044E	232.831	232.861E	232.940E	---	---	22
23	---	---	---	235.757	235.473	233.154E	233.126	232.809E	232.843E	232.862	---	---	23
24	---	---	---	235.711E	235.379E	233.128E	233.035E	232.785	232.825E	232.925E	---	---	24
25	---	---	---	235.862	235.281	233.099	232.940	232.782E	232.809E	232.889E	---	---	25
26	---	---	---	235.677E	235.144E	233.084E	232.971E	232.778E	232.788	232.852	---	---	26
27	---	---	---	235.693	235.004E	233.065	233.001	232.770	232.849	232.864E	---	---	27
28	---	---	---	235.912E	234.864	233.084E	233.023E	232.778E	232.803	232.879E	---	---	28
29	---		---	236.132E	234.754E	233.105	233.044E	232.768E	232.840E	232.885	---	---	29
30	---		---	236.351	234.644	233.087E	233.065	232.800	232.879E	232.918E	---	---	30
31	---		---		234.458E		232.989E	232.815		232.843		---	31
MEAN	---	---	---	---	---	233.549	233.070	232.849	232.826	232.945	---	---	MEAN
MAX	---	---	---	---	---	234.288	233.230	232.989	232.922	233.178	---	---	MAX
MIN	---	---	---	---	---	233.065	232.940	232.770	232.754	232.852	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 08 43 N
LONG 97 09 46 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1957

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.34 B	0.8568	0.5128	75.7	97.8	83.5	5.32	2.98	0.448	2.11	1.16	0.7458	1
2	1.28 B	0.8248	0.5108	76.9	100	81.4	4.84	2.73	0.442	1.86	1.07 B	0.7128	2
3	1.24 B	0.8198	0.5038	74.5	97.4	59.6	4.52	2.42	0.401	1.55	1.58 B	0.7828	3
4	1.20 B	0.8448	0.5058	72.2	92.8	57.8	4.81	2.13	0.537	1.51	2.09 B	0.8178	4
5	1.17 B	0.8858	0.5268	70.6	88.9	55.6	4.47	1.80	0.845	1.89	2.73 B	0.7358	5
6	1.15 B	0.7048	0.5368	69.3	90.0	53.7	4.15	1.58	0.504	1.81	2.16 B	0.6808	6
7	1.09 B	0.7268	0.5078	68.5	89.5	52.3	3.57	1.43	0.426	1.55	1.43 B	0.5988	7
8	1.03 B	0.7598	0.4788	67.8	87.5	50.3	3.90	1.30	0.363	1.82	1.17 B	0.5988	8
9	1.00 B	0.8068	0.4558	67.1	85.9	48.2	3.45	1.10	0.312	1.74	1.84 B	0.6798	9
10	1.02 B	0.8448	0.4408	67.6	85.4	45.9	7.83	0.926	0.323	1.66	2.00 B	0.7298	10
11	1.05 B	0.8618	0.4558	68.7	85.8	41.9	7.74	0.823	0.368	1.54	1.46 B	0.6588	11
12	1.07 B	0.8278	0.4658	69.8	87.7	38.3	7.08	0.782	0.326	1.42	0.9408	0.7768	12
13	1.09 B	0.7838	0.4778	70.5	89.3	30.4	7.12	0.735	0.336	1.58	1.26 B	0.9818	13
14	1.07 B	0.7388	0.4888	72.5	87.9	28.1	8.84	0.752	0.401	1.81	1.19 B	0.9178	14
15	1.05 B	0.6928	0.5168	73.3	86.3	21.0	8.58	0.740	0.318	1.79	1.00 B	0.8258	15
16	1.01 B	0.6728	2.01 B	74.1	85.0	17.6	8.17	0.789	0.309	1.70	1.38 B	0.8118	16
17	0.9868	0.6608	2.79 B	75.1	82.9	14.8	8.78	0.731	0.321	1.85	1.78 B	0.9768	17
18	0.9868	0.6468	2.27 B	75.1	81.3	14.1	8.33	0.648	0.345	1.53	1.60 B	0.9778	18
19	0.9818	0.6368	1.97 B	76.6	80.0	13.8	4.84	0.599	0.342	1.47	1.26 B	0.9258	19
20	1.00 B	0.6068	1.88 B	78.5	78.6	13.3	4.67	0.541	0.334	1.48	1.28 B	0.9488	20
21	1.02 B	0.5708	1.84 B	78.7	77.5	12.8	4.53	0.481	0.332	1.34	1.25 B	0.9228	21
22	1.02 B	0.5488	1.87 B	78.3	76.5	12.4	4.27	0.437	0.388	1.32	1.05 B	0.8588	22
23	0.9588	0.5318	2.44 B	76.5	75.4	11.8	3.95	0.405	0.408	1.34	1.05 B	0.7918	23
24	0.9088	0.5078	3.37 B	74.7	74.4	11.1	3.53	0.381	0.386	1.35	1.10 B	0.7358	24
25	0.9348	0.4878	4.62 B	71.8	73.6	10.4	3.08	0.340	0.423	1.48	1.19 B	0.7018	25
26	0.8438	0.4848	7.82 B	72.4	72.7	9.55	2.98	0.315	0.465	1.51	1.34 B	0.7118	26
27	0.9418	0.4988	8.32 B	74.0	71.5	8.43	2.88	0.303	0.578	1.44	1.13 B	0.6838	27
28	0.8858	0.5068	23.5 B	82.8	70.3	7.34	2.88	0.474	0.588	1.38	0.8438	0.6528	28
29	0.8248		45.7 B	86.0	69.1	6.50	2.88	0.807	0.676	1.30	0.8438	0.6748	29
30	0.7848		55.4 B	90.8	67.8	5.84	2.71	0.557	2.33	1.26	0.8258	0.6988	30
31	0.7058		73.3 B		66.6		2.87	0.488		1.20		0.7458	31
TOTAL	31.737	18.316	287.374	2 238.4	2 554.0	872.98	185.41	30.274	14.376	47.78	40.811	24.038	TOTAL
MEAN	1.02	0.654	8.30	74.6	82.4	29.1	5.34	0.977	0.479	1.54	1.36	0.775	MEAN
MAX	1.34	0.851	73.3	90.8	100	83.5	8.57	2.98	2.33	2.11	2.73	0.981	MAX
MIN	0.705	0.484	0.440	67.1	66.6	5.84	2.87	0.303	0.309	1.20	0.825	0.598	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.3
MAXIMUM DAILY, 100 ON MAY 2
MINIMUM DAILY, 0.303 ON AUG 27
MAXIMUM INSTANTANEOUS,
101 AT 02:01 CST ON MAY 2

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 53 N
LONG 97 03 15 W
DRAINAGE AREA, 5 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 740	JUL	14 300
FEB	1 580	AUG	2 620
MAR	22 200	SEP	1 240
APR	193 000	OCT	4 130
MAY	221 000	NOV	3 530
JUN	75 400	DEC	2 080

TOTAL DISCHARGE, 544 000 dam³

ROSEISLE CREEK NEAR ROSEISLE - STATION NO. 05OF009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	7.14	3.85	0.248	0.031	0.186	0.021	0.015	---	---	1
2	---	---	0 B	5.24	2.02	0.231	0.027	0.182	0.020	0.018	---	---	2
3	---	---	0 B	4.25	1.53	0.208	0.028	0.164	0.021	0.018	---	---	3
4	---	---	0 B	3.57	1.24	0.184	0.044	0.135	0.021	0.018	---	---	4
5	---	---	0 B	3.22	8.71	0.180	0.083	0.105	0.021	0.015	---	---	5
6	---	---	0 B	3.47	13.6	0.174	0.089	0.107	0.017E	0.010	---	---	6
7	---	---	0 B	2.81	7.09	0.168	0.089	0.081	0.014E	0.010	---	---	7
8	---	---	0 B	2.17	5.54	0.163	0.051	0.070	0.011E	0.013	---	---	8
9	---	---	0 B	1.88	4.52	0.157	0.041	0.058	0.008E	0.011	---	---	9
10	---	---	0 B	1.63	3.87	0.154	0.142	0.055	0.005A	0.013	---	---	10
11	---	---	0 B	1.46	2.83	0.152	0.832	0.048	0.004E	0.014	---	---	11
12	---	---	0 B	1.27	2.28	0.148	0.830	0.045	0.004E	0.013	---	---	12
13	---	---	0 B	1.00	2.56	0.141	0.814	0.041	0.003E	0.007	---	---	13
14	---	---	0 B	0.834	2.32	0.135	0.578	0.036	0.003E	0.007	---	---	14
15	---	---	0 B	0.787	1.55	0.143	0.418	0.031	0.002E	0.006	---	---	15
16	---	---	0 B	0.703	1.20	0.197	0.365	0.024	0.002E	0.012	---	---	16
17	---	---	0 B	0.866	1.01	0.243	0.314	0.023	0.010A	0.013	---	---	17
18	---	---	0.0088	2.36	0.867	0.231	0.313	0.020	0.009E	0.015	---	---	18
19	---	---	0.0458	11.5	0.734	0.200	0.280	0.021	0.009E	0.015	---	---	19
20	---	---	0.0088	6.34	0.832	0.249	0.265	0.017	0.008E	0.017	---	---	20
21	---	---	0.0818	4.00	0.545	0.235	0.239	0.014	0.008E	0.019	---	---	21
22	---	---	3.00 B	3.11	0.500	0.213	0.220	0.016	0.007E	0.018	---	---	22
23	---	---	7.45 B	2.55	0.445	0.193	0.198	0.017	0.007E	0.018	---	---	23
24	---	---	8.45 B	2.12	0.395	0.151	0.175	0.018	0.008E	0.018	---	---	24
25	---	---	9.84 B	1.64	0.381	0.116	0.143	0.018	0.027A	0.020	---	---	25
26	---	---	4.59 B	1.48	0.348	0.100	0.128	0.019	0.024	0.019	---	---	26
27	---	---	8.15 B	1.57	0.310	0.078	0.110	0.020	0.026	0.022	---	---	27
28	---	---	15.4	1.68	0.290	0.050	0.116	0.020	0.008	0.021	---	---	28
29	---		19.6	1.67	0.277	0.039	0.102	0.020	0.015	0.020	---	---	29
30	---		12.2	2.30	0.272	0.034	0.102	0.020	0.018	0.020	---	---	30
31	---		9.12		0.280		0.187	0.021		0.021		---	31
TOTAL	---	---	89.788	84.720	72.106	4.916	7.085	1.652	0.357	0.477	---	---	TOTAL
MEAN	---	---	2.90	2.82	2.33	0.164	0.229	0.053	0.012	0.015	---	---	MEAN
MAX	---	---	19.6	11.5	13.6	0.249	0.830	0.186	0.027	0.022	---	---	MAX
MIN	---	---	0	0.703	0.272	0.034	0.027	0.014	0.002	0.007	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.07
MAXIMUM DAILY, 19.6 ON MAR 29
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
23.8 AT 04 05 CST ON MAR 29

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 10 N
LONG 98 19 40 W
DRAINAGE AREA, 223 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	612
FEB	---	AUG	143
MAR	7 760	SEP	30.8
APR	7 320	OCT	41.2
MAY	6 230	NOV	---
JUN	425	DEC	---

TOTAL DISCHARGE, 22 800 dam³

ROUND LAKE AT OUTLET - STATION NO. 05RD011

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.512E	1.232A	1.020	0.474	1.516	2.518	2.245	---	1.072	---	---	---	1
2	1.510E	1.228E	1.010	0.484	1.541	2.544	2.214	---	1.052	---	---	---	2
3	1.508A	1.221A	0.997	0.487	1.559	2.577	2.188	---	1.045	---	---	---	3
4	1.503A	1.209A	0.982	0.494	1.562	2.586	2.161	---	1.057	---	---	---	4
5	1.490A	1.193A	0.974	0.913	1.597	2.598	2.137	---	1.054	---	---	---	5
6	1.488E	1.184A	0.963	0.923	1.690	2.618	2.093	---	1.008	---	---	---	6
7	1.485E	1.177A	0.945	0.971	1.731	2.645	2.048A	---	---	---	---	---	7
8	1.483E	1.160E	0.945	1.043	1.749	2.651	---	---	---	---	---	---	8
9	1.479E	1.152E	0.947	1.091	1.770	2.662	---	---	---	---	---	---	9
10	1.477A	1.131A	0.939	1.139	1.802	2.686	---	---	---	---	---	---	10
11	1.461A	1.123A	0.937	1.182	1.824	2.694	---	---	---	---	---	---	11
12	1.435E	1.114A	0.928	1.193	1.846	2.684	---	1.435A	---	---	---	---	12
13	1.406A	1.111A	0.924	1.183	1.865	2.656	---	1.415	---	---	---	---	13
14	1.400A	1.098A	0.921	1.179	1.880	2.640	---	1.395	---	---	---	---	14
15	1.394A	1.087A	0.909	1.185	1.899	2.628	---	1.374	---	---	---	---	15
16	1.391A	1.089A	0.900	1.186	1.916	2.605	---	1.348	---	---	---	---	16
17	1.382A	1.078A	0.891	1.220	1.941	2.585	---	1.324	---	---	---	---	17
18	1.370A	1.085A	0.881	1.245	1.973	2.573	---	1.298	---	---	---	---	18
19	1.357A	1.072A	0.871	1.278	2.002	2.556	---	1.284	---	---	---	---	19
20	1.346A	1.067A	0.865	1.308	2.046	2.532	---	1.266	---	---	---	---	20
21	1.330A	1.065A	0.864	1.311	2.093	2.508	---	1.243	---	---	---	---	21
22	1.302A	1.048	0.859	1.315	2.136	2.481	---	1.224	---	---	---	---	22
23	1.298A	1.052	0.848	1.328	2.177	2.447	---	1.210	---	---	---	---	23
24	1.326A	1.052	0.843	1.348	2.213	2.422	---	1.194	---	---	---	---	24
25	1.291A	1.054	0.841	1.364	2.256	2.412	---	1.188	---	---	---	---	25
26	1.267A	1.049	0.841	1.384	2.297	2.397	---	1.173	---	---	---	---	26
27	1.245A	1.038	0.841	1.379	2.338	2.369	---	1.153	---	---	---	---	27
28	1.259A	1.028	0.845	1.408	2.378	2.335	---	1.139	---	---	---	---	28
29	1.259A		0.849	1.485	2.421	2.301	---	1.122	---	---	---	---	29
30	1.238A		0.849	1.486	2.453	2.276	---	1.108	---	---	---	---	30
31	1.228A		0.854		2.482		---	1.080	---	---	---	---	31
MEAN	1.384	1.113	0.906	1.185	1.986	2.540	---	---	---	---	---	---	MEAN
MAX	1.512	1.232	1.020	1.486	2.482	2.694	---	---	---	---	---	---	MAX
MIN	1.228	1.028	0.841	0.474	1.516	2.276	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 2.694 ON JUN 11

MAXIMUM INSTANTANEOUS,
2.702 AT 18 32 CST ON JUN 11

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 98 23 20 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

RUSSELL LAKE NEAR MERRIOT - STATION NO. 05EB005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	323.705	---	---	---	---	324.088	324.583	---	---	324.338	324.167	1
2	---	323.705	---	---	---	---	324.108	324.600	---	---	324.328	324.160	2
3	---	323.704	---	---	---	---	324.105	324.610	---	---	324.320	324.150	3
4	---	323.699	---	---	---	---	324.120	324 614	---	---	324.316	324.139	4
5	---	323.693	---	---	---	---	324.108	324.627	---	---	324.313	324.133	5
6	---	323.690	---	---	---	---	324.147	324.635	---	---	324.300	324.125	6
7	---	323.684	---	---	---	---	324.189	324.645	---	---	324.292	324.113	7
8	---	323.680A	---	---	---	---	324.173	324.637	---	---	324.284	324.116	8
9	---	---	---	---	---	323.873A	324.178	324.642	---	---	324.284	324.115	9
10	---	---	---	---	---	323.900E	324.188	324.648	---	---	324.280	324.108	10
11	---	---	---	---	---	323.925E	324.195	324.682	---	---	324.273	324.105	11
12	---	---	---	---	---	323.950E	324.209	324.659	---	---	324.268	324.098	12
13	---	---	---	---	---	323.970E	324.213	324.681	---	---	324.755	324.096	13
14	---	---	---	---	---	323.985E	324.212	324.674	---	---	324.251	324.096	14
15	---	---	---	---	---	324.000E	324.218	324.682	---	324.417A	324.241	324.089	15
16	---	---	---	---	---	324.008A	324.217	324.678	---	324.430A	324.235	324.082	16
17	---	---	---	---	---	324.013	324.230	324.673	---	324.424	324.231	324.076	17
18	---	---	---	---	---	324.018	324.255	324.678	---	324.417	324.226	324.087	18
19	---	---	---	---	---	324.028	324.281	324.682	---	324.416	324.217	324.088	19
20	323.890A	---	---	---	---	324.038	324.313	324.672	---	324.404	324.213	324.080	20
21	323.891	---	---	---	---	324.055	324.318	324.674	---	324.389	324.214	324.068	21
22	323.884	---	---	---	---	324.043	324.330	324.681	---	324.385	324.210	324.062	22
23	323.887	---	---	---	---	324.054	324.367	324.681	---	324.380	324.198	324.027	23
24	323.893	---	---	---	---	324.064	324.413	324.683	---	324.387	324.207	324.028	24
25	323.889	---	323.378A	---	---	324.073	324.462	324.664	---	324.367	324.203	324.016	25
26	323.891	---	---	---	---	324.084	324.492	324.669	---	324.371	324.187	324 017	26
27	323.898	---	---	---	---	324.093	324.515	324.665	---	324.364	324.183	324.014	27
28	323.895	---	---	---	---	324.081	324.535	324.667	---	324.368	324.176	324.003	28
29	323.895		---	---	---	324.101	324.549	324.659	---	324.362	324.189	323.998	29
30	323.700		---	---	---	324.106	324.533	324.658	---	324.349	324.172	323.988	30
31	323.701		---		---		324.589	324.684A		324.351		323.982	31
MEAN	---	---	---	---	---	---	324.284	324.857	---	---	324.248	324.074	MEAN
MAX	---	---	---	---	---	---	324.589	324.891	---	---	324.339	324.167	MAX
MIN	---	---	---	---	---	---	324.088	324.583	---	---	324.169	323.982	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 20 24 N
LONG 101 21 46 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

RUSSELL RESERVOIR NEAR RUSSELL - STATION NO. 05ME803

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	550.505E	550.455E	550.485E	550.448	550.362E	550.338	---	---	1
2	---	---	---	---	550.501	550.449	550.490	550.446E	550.358	550.334E	---	---	2
3	---	---	---	---	550.502E	550.445E	550.487E	550.443E	550.352E	550.329	---	---	3
4	---	---	550.427	---	550.503E	550.441	550.483	550.440	550.345	550.329E	---	---	4
5	---	---	---	---	550.505	550.440E	550.487E	550.456E	550.341E	550.329E	---	---	5
6	---	---	---	---	550.521E	550.439	550.492E	550.472E	550.337	550.329	---	---	6
7	---	---	---	---	550.558	550.434E	550.497	550.488	550.330E	550.332E	---	---	7
8	---	---	---	---	550.561E	550.429E	550.490E	550.481E	550.323	550.335	---	---	8
9	---	---	---	---	550.564	550.423	550.483	550.474	550.321E	550.332E	---	---	9
10	---	---	---	---	550.559E	550.423E	550.481E	550.469E	550.318	550.328	---	---	10
11	---	---	---	---	550.564E	550.424	550.478	550.464E	550.318E	550.328E	---	---	11
12	---	---	---	---	550.548	550.421E	550.475E	550.459	550.319	550.328E	---	---	12
13	---	---	---	---	550.544E	550.417	550.472E	550.480	550.315E	550.327	---	---	13
14	---	---	---	---	550.539	550.415E	550.469	550.455E	550.311E	550.327E	---	---	14
15	---	---	---	---	550.538E	550.412E	550.481E	550.449	550.307	550.327	---	---	15
16	---	---	---	---	550.537	550.409	550.484	550.442E	550.308E	550.325E	---	---	16
17	---	---	---	---	550.534E	550.404E	550.488E	550.434E	550.309	550.323	---	550.302	17
18	---	---	---	---	550.531E	550.399	550.478	550.426	550.308E	550.322E	---	---	18
19	---	---	---	---	550.527	550.407E	550.475E	550.423E	550.303	550.321E	---	---	19
20	---	---	---	---	550.519E	550.415	550.471E	550.419	550.308E	550.319	---	---	20
21	---	---	---	550.567	550.504	550.408E	550.467	550.412E	550.313E	550.319E	---	---	21
22	550.412	---	---	550.564E	550.492E	550.403E	550.462E	550.404	550.319	550.319E	---	---	22
23	---	---	---	550.560	550.479	550.396	550.457	550.401E	550.319E	550.319E	---	---	23
24	---	---	---	550.554E	550.478E	550.392E	550.453E	550.398E	550.318	550.318	---	---	24
25	---	---	---	550.547	550.477E	550.387	550.449E	550.395	550.328E	550.316E	---	---	25
26	---	---	---	550.541E	550.478	550.439E	550.444	550.389E	550.338	550.314E	---	---	26
27	---	---	---	550.535E	550.475E	550.491	550.444E	550.383	550.338E	550.311	---	---	27
28	---	---	---	550.528	550.473	550.493E	550.445	550.377E	550.338E	550.310E	---	---	28
29	---		---	550.519E	550.468E	550.496E	550.441	550.371	550.339	550.309	---	---	29
30	---		---	550.509	550.485	550.499	550.448	550.388E	550.339E	550.309E	---	---	30
31	---		---		550.480E		550.448E	550.365E		550.309		---	31
MEAN	---	---	---	---	550.513	550.430	550.472	550.429	550.326	550.323	---	---	MEAN
MAX	---	---	---	---	550.564	550.499	550.497	550.488	550.362	550.338	---	---	MAX
MIN	---	---	---	---	550.480	550.387	550.441	550.365	550.303	550.309	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 47 50 N
LONG 101 19 56 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1964

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SASKATCHEWAN RIVER AT GRAND RAPIDS - STATION NO. 05KL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	453	1 190	1 150	113	299	149	98.2	189	219	819	382	1 030	1
2	749	1 130	1 140	392	130	218	235	231	581	857	221	891	2
3	776	1 090	1 010	291	112	216	304	261	619	835	841	1 070	3
4	512	441	1 140	354	105	381	558	247	521	742	582	863	4
5	624	487	1 010	242	224	198	418	554	399	720	724	806	5
6	1 040	784	950	285	278	285	131	826	197	793	582	468	6
7	845	868	1 010	590	177	223	402	1 130	197	801	773	329	7
8	426	613	364	537	233	190	445	1 110	368	803	714	835	8
9	389	898	204	400	235	179	482	1 130	453	767	619	1 080	9
10	277	1 180	558	209	127	171	406	1 110	587	675	857	985	10
11	122	987	540	106	109	127	165	1 110	610	598	956	801	11
12	843	949	708	107	214	210	121	1 070	521	676	1 060	968	12
13	721	1 000	568	202	224	372	117	1 070	263	697	1 090	1 150	13
14	756	1 230	436	421	183	285	512	855	367	716	1 170	1 230	14
15	323	1 300	240	157	276	343	306	824	285	687	1 280	1 210	15
16	223	1 290	200	120	200	321	486	889	582	628	1 260	1 110	16
17	189	1 280	686	116	136	288	540	780	832	493	1 270	833	17
18	287	1 310	846	515	139	483	427	790	678	471	1 270	631	18
19	450	1 280	979	275	174	485	224	811	611	192	1 240	804	19
20	217	1 240	989	334	343	385	142	823	490	325	1 340	606	20
21	512	1 230	719	574	193	203	426	889	458	137	1 070	360	21
22	771	1 210	455	479	207	128	922	889	720	304	979	581	22
23	1 100	1 190	511	386	181	170	1 020	465	800	284	1 220	703	23
24	801	1 250	789	157	153	132	756	150	826	325	1 140	304	24
25	916	1 230	754	294	131	415	774	408	910	247	921	109	25
26	1 120	944	596	113	356	584	518	404	826	169	616	262	26
27	1 150	864	295	108	232	521	582	265	681	481	294	228	27
28	930	1 160	188	481	331	375	565	427	667	525	689	300	28
29	1 280		151	174	397	101	580	353	783	564	488	882	29
30	1 280		103	346	112	107	531	184	759	553	649	842	30
31	1 290		115		181		238	141		686		778	31
TOTAL	21 552	29 715	19 376	8 840	6 382	8 176	13 509.2	19 735	16 610	17 630	26 297	22 649	TOTAL
MEAN	695	1 060	625	295	206	273	436	637	554	569	877	731	MEAN
MAX	1 290	1 310	1 150	590	387	584	1 020	1 130	910	857	1 340	1 230	MAX
MIN	122	441	103	106	106	101	98.2	141	197	137	221	109	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 577
MAXIMUM DAILY, 1 340 ON NOV 20
MINIMUM DAILY, 98.2 ON JUL 1

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 09 50 N
LONG 99 20 56 W
DRAINAGE AREA, 364 000 km²

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 850 000	JUL	1 170 000
FEB	2 570 000	AUG	1 710 000
MAR	1 670 000	SEP	1 440 000
APR	764 000	OCT	1 520 000
MAY	551 000	NOV	2 270 000
JUN	705 000	DEC	1 950 000

TOTAL DISCHARGE, 18 200 000 dam³

SASKATCHEWAN RIVER AT THE PAS - STATION NO. 05KJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2958	3668	5138	4928	1 020	943	576	1 270	658	540	685	3198	1
2	3118	3718	5198	4918	925	930	568	1 270	610	555	645	3248	2
3	3218	4018	5138	4918	880	905	554	1 270	554	579	6578	3358	3
4	3288	4238	5018	4918	848	917	540	1 290	513	564	6698	3458	4
5	3368	4288	4928	4978	846	925	562A	1 300	551	557	6628	3558	5
6	3468	4248	4878	5208	855	926	643A	1 290	557	550	6478	3688	6
7	3638	4158	4918	5598	835	919	672A	1 260	531	544	6328	3848	7
8	3798	4038	5028	6018	800	907	635A	1 230	508	544	6178	4018	8
9	4008	3868	5178	6408	785	885	623	1 230	496	565	6028	4028	9
10	4418	3688	5258	6718	783	892	640	1 220	464	592	5888	3918	10
11	4748	3578	5268	7078	722	912	640	1 180	478	627	5668	3898	11
12	4948	3538	5188	7408	735	897	656	1 130	526	655	5438	4128	12
13	5008	3528	5068	7538	714	883	632	1 100	537	626	5208	4308	13
14	4988	3558	4968	7628	714	827	620	1 110	513	639	4998	4418	14
15	4928	3598	4898	7738	755	749	573	1 090	497	645	4798	4528	15
16	4878	3588	4788	7858	786	732	566	1 030	500	655	4578	4648	16
17	4938	3558	4638	7968	775	706	606	992	511	694	4348	4728	17
18	5038	3558	4488	8128	768	701	642	936	512	718	4148	4958	18
19	5148	3688	4358	8288	763	751	615	893	500	719	3948	5258	19
20	5248	3878	4258	8598	785	788	649	842	496	719	3758	5478	20
21	5328	4018	4158	8948	754	740	726	830	485	717	3538	5458	21
22	5358	4188	4118	9488	784	719	895	789	484	718	3358	5258	22
23	5378	4398	4098	1 0408	801	707	1 030	769	469	722	3388	5038	23
24	5228	4548	4098	1 1208	826	673	1 080	759	484	723	3428	4788	24
25	4998	4528	4138	1 1908	835	666	1 090A	700	576	731	3508	4588	25
26	4758	4558	4188	1 2608	847	676	1 210A	666	726	738	3478	4288	26
27	4458	4808	4328	1 3308	846	673	1 250A	642	635	737	3428	4018	27
28	4198	5008	4488	1 400	852	683	1 250A	648	559	736	3398	3988	28
29	4108		4618	1 180	870	702	1 280	647	548	742	3348	3998	29
30	3958		4788	1 110	900	651	1 240	658	531	730	3258	3978	30
31	3808		4888		937		1 280	672		711		3958	31
TOTAL	13 648	11 185	14 825	24 740	25 280	23 985	24 583	30 716	16 020	20 293	14 480	13 174	TOTAL
MEAN	440	388	472	825	815	799	793	991	534	655	483	425	MEAN
MAX	537	500	528	1 400	1 020	943	1 280	1 300	726	742	685	547	MAX
MIN	295	352	409	491	714	651	540	642	484	540	325	319	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 638
MAXIMUM DAILY, 1 400 ON APR 28
MINIMUM DAILY, 2958 ON JAN 1

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 30 N
LONG 101 11 10 W
DRAINAGE AREA, 347 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 180 000	JUL	2 120 000
FEB	866 000	AUG	2 650 000
MAR	1 260 000	SEP	1 380 000
APR	2 140 000	OCT	1 750 000
MAY	2 180 000	NOV	1 250 000
JUN	2 070 000	DEC	1 140 000

TOTAL DISCHARGE, 20 100 000 dam³

SCHIST LAKE NEAR CHANNING - STATION NO. 05KG004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	291.868	292.083	292.023	292.106	292.007	291.855	---	---	1
2	---	---	---	---	291.870	292.078	292.026	292.112	291.997	291.850	---	---	2
3	---	---	---	---	291.873	292.067	292.028	292.117	291.986	291.850	---	---	3
4	---	---	---	---	291.878	292.071	292.021	292.121	291.974	291.840	---	---	4
5	---	---	---	---	291.882	292.075	292.018	292.122	291.966	291.843	---	---	5
6	---	---	---	---	291.886	292.065	292.021	292.133	291.950	291.839	---	---	6
7	---	---	---	---	291.890	292.050	292.023	292.144	291.950	291.838	---	---	7
8	---	---	---	---	291.893	292.059	292.025	292.148	291.947	291.837	---	---	8
9	---	---	---	---	291.898	292.058	292.024	292.151	291.945	291.841	---	---	9
10	---	---	---	---	291.914	292.070	292.024	292.153	291.940	291.821	---	---	10
11	---	---	291.807A	---	291.918	292.072	292.025	292.156	291.938	291.822	---	---	11
12	---	---	---	---	291.938	292.070	292.042	292.157	291.931	291.823	---	---	12
13	---	---	---	---	291.948	292.074	292.037	292.152	291.928	291.814	---	---	13
14	---	---	---	---	291.959	292.077	292.034	292.153	291.921	291.817	---	---	14
15	---	---	---	---	291.984	292.068	292.037	292.152	291.917	291.813	---	---	15
16	---	---	---	---	292.003	292.071	292.033	292.138	291.912	291.815	---	---	16
17	---	---	---	291.787A	292.018	292.073	292.033	292.139	291.907	291.812	---	---	17
18	---	---	---	291.788	292.034	292.067	292.036	292.129	291.902	291.809	---	---	18
19	---	---	---	291.791	292.042	292.073	292.028	292.115	291.895	291.805	---	---	19
20	---	---	---	291.794	292.050	292.078	292.033	292.104	291.889	291.803	---	---	20
21	---	---	---	291.798	292.060	292.072	292.023	292.101	291.884	291.800	---	---	21
22	---	---	---	291.798	292.068	292.059	292.028	292.091	291.880	291.797	---	---	22
23	---	---	---	291.806	292.064	292.060	292.032	292.087	291.876	291.798	---	---	23
24	---	---	---	291.820	292.064	292.058	292.046	292.074	291.873	291.797	---	---	24
25	---	---	---	291.824	292.068	292.052	292.053	292.058	291.861	291.793	---	---	25
26	---	---	---	291.830	292.073	292.048	292.050	292.052	291.852	291.791	---	---	26
27	---	---	---	291.835	292.076	292.039	292.052	292.045	291.847	291.792	---	---	27
28	---	---	---	291.846	292.073	292.037	292.062	292.038	291.843	291.783	---	---	28
29	---		---	291.850	292.079	292.036	292.077	292.029	291.841	291.778	---	---	29
30	---		---	291.865	292.071	292.030	292.084	292.022	291.859	291.776	---	---	30
31	---		---		292.078		292.095	292.007		291.772A		---	31
MEAN	---	---	---	---	291.985	292.063	292.038	292.107	291.917	291.814	---	---	MEAN
MAX	---	---	---	---	292.079	292.083	292.095	292.157	292.007	291.855	---	---	MAX
MIN	---	---	---	---	291.868	292.030	292.018	292.007	291.859	291.772	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 292.157 ON AUG 12

MAXIMUM INSTANTANEOUS,
292.184 AT 20:59 CST ON AUG 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 20 N
LONG 101 49 30 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1938 ADJ.)

SCISSOR CREEK NEAR MCAULEY - STATION NO. 05ME008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5108	0.001								
2	---	---	0 B	0.434	0.001	0	0	---	---	---	---	---	1
3	---	---	0 B	0.327	0.001	0	0	---	---	---	---	---	2
4	---	---	0 B	0.190	0.001	0	0	---	---	---	---	---	3
5	---	---	0 B	0.091	0.018	0	0	---	---	---	---	---	4
6	---	---	0 B	0.048	0.053	0.002	0.009	---	---	---	---	---	5
7	---	---	0 B	0.028	0.023	0.003	0.002	---	---	---	---	---	
8	---	---	0 B	0.013	0.022	0.004	0.001	---	---	---	---	---	6
9	---	---	0 B	0.010	0.073	0.001	0.001	---	---	---	---	---	7
10	---	---	0 B	0.012	0.071	0	0.004	---	---	---	---	---	8
11	---	---	0 B	0.012	0.078	0	0.002	---	---	---	---	---	9
12	---	---	0 B	0.008	0.039	0	0.001	---	---	---	---	---	10
13	---	---	0 B	0.008	0.021	0	0.001	---	---	---	---	---	11
14	---	---	0 B	0.009	0.027	0	0.002	---	---	---	---	---	12
15	---	---	0 B	0.008	0.057	0	0.025	---	---	---	---	---	13
16	---	---	0.0028	0.009	0.055	0	0.011	---	---	---	---	---	14
17	---	---	0.0058	0.008	0.037	0	0.005	---	---	---	---	---	15
18	---	---	0.0098	0.008	0.021	0	0.007	---	---	---	---	---	16
19	---	---	0.0188	0.007	0.016	0.103	0.005	---	---	---	---	---	17
20	---	---	0.0518	0.004	0.011	0.031	0.002	---	---	---	---	---	18
21	---	---	1.34 B	0.002	0.009	0.010	0.002	---	---	---	---	---	19
22	---	---	4.05 B	0.002	0.007	0.003	0.001	---	---	---	---	---	20
23	---	---	4.37 B	0.003	0.006	0.001	0	---	---	---	---	---	21
24	---	---	4.80 B	0.013	0.005	0.001	---	---	---	---	---	---	22
25	---	---	5.23 B	0.006	0.004	0.001	---	---	---	---	---	---	23
26	---	---	5.92 B	0.004	0.004	0.002	---	---	---	---	---	---	24
27	---	---	1.11 B	0.003	0.003	0.001	---	---	---	---	---	---	25
28	---	---	1.12 B	0.003	0.002	0	---	---	---	---	---	---	26
29	---		0.5788	0.002	0.002	0	---	---	---	---	---	---	27
30	---		0.8128	0.001	0.001	0	---	---	---	---	---	---	28
31	---		0.5798		0.001		---	---	---	---	---	---	29
TOTAL	---	---	30.494	1.783	0.678	0.163	---	---	---	---	---	---	30
MEAN	---	---	0.984	0.059	0.022	0.005	---	---	---	---	---	---	31
MAX	---	---	5.92	0.510	0.078	0.103	---	---	---	---	---	---	TOTAL
MIN	---	---	0	0.001	0.001	0	---	---	---	---	---	---	MEAN
													MAX
													MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO JUN

MEAN, 0.271
MAXIMUM DAILY, 5.928 ON MAR 26
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 16 N
LONG 101 23 04 W
DRAINAGE AREA, 187 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2 630	SEP	---
APR	154	OCT	---
MAY	58.6	NOV	---
JUN	14.1	DEC	---

TOTAL DISCHARGE, 2 850 dam³

SEAL RIVER BELOW GREAT ISLAND - STATION NO. 06GD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	164B	138B	108 B	87.4B	78.2B	---	1 290	823E	543E	365	284B	187B	1
2	163B	136B	107 B	87.4B	77.8B	---	1 240	812E	534E	361	279B	185B	2
3	163B	135B	107 B	87.2B	77.6B	---	1 200	798E	521E	358	273B	183B	3
4	162B	134B	105 B	86.8B	77.6B	---	1 160	789E	509E	352	269B	182B	4
5	162B	133B	104 B	86.5B	77.6B	---	1 130	778E	501E	341	264B	180B	5
6	161B	132B	104 B	86.3B	77.5B	---	1 180	773E	494E	339	260B	178B	6
7	160B	131B	103 B	86.2B	77.4B	---	1 220	770E	487E	342	254B	176B	7
8	160B	130B	102 B	86.1B	77.1B	---	1 280	764E	478E	340	250B	175B	8
9	159B	128B	102 B	86.0B	77.1B	---	1 270	756E	469E	337B	246B	175B	9
10	159B	127B	100 B	84.5B	77.1B	---	1 230	750E	462A	333B	241B	173B	10
11	158B	126B	99.8B	83.9B	77.5B	1 840A	1 210	739E	455A	330B	237B	171B	11
12	157B	125B	99.5B	83.6B	77.8B	1 850A	1 170	734E	467	326B	234B	169B	12
13	156B	124B	99.0B	83.0B	78.4B	1 800	1 150	731E	453	325B	229B	168B	13
14	155B	123B	98.0B	82.6B	79.6B	1 760	1 120	717E	445	323B	227B	167B	14
15	155B	122B	97.4B	82.4B	81.2B	1 730	1 100	706E	432	323B	223B	166B	15
16	154B	121B	96.8B	82.4B	83.0B	1 700	1 080	700E	423	321B	221B	165B	16
17	153B	120B	96.0B	82.1B	86.0B	1 700	1 030	689E	416	320B	218B	163B	17
18	152B	119B	95.4B	81.5B	89.0B	1 710	1 010	681E	404	319B	214B	162B	18
19	151B	118B	94.7B	81.2B	94.4B	1 690	1 000	667E	404	318B	212B	160B	19
20	150B	117B	94.4B	80.8B	114 B	1 650	981	659E	400	317	210B	160B	20
21	149B	116B	93.8B	80.3B	149 B	1 620	965	653E	395	317	207B	159B	21
22	149B	115B	92.6B	80.1B	184 B	1 550	941	647E	392	316	203B	157B	22
23	148B	115B	92.2B	80.0B	219 B	1 520	919	639E	390	314	201B	155B	23
24	147B	113B	92.0B	79.8B	270 B	1 480	889	628E	387	314	200B	154B	24
25	146B	112B	91.4B	79.8B	318 B	1 460	878	617E	379	309	197B	153B	25
26	144B	112B	90.8B	79.4B	404 B	1 440	868	606E	373	310B	195B	153B	26
27	143B	111B	90.2B	78.8B	501 B	1 410	855	596E	364	309B	193B	151B	27
28	142B	110B	89.6B	78.8B	604 B	1 380	850E	580E	364	304B	192B	150B	28
29	141B		89.4B	78.4B	723 B	1 350	851E	575E	366	298B	189B	149B	29
30	140B		89.0B	78.3B	838 B	1 340	841E	563E	366	294B	188B	143B	30
31	139B		88.4B		922 B		829E	550E		289B		147B	31
TOTAL	4 742	3 443	3 012.4	2 480.6	6 787.7	---	32 718	21 490	13 073	10 084	6 810	5 121	TOTAL
MEAN	153	123	97.2	82.7	219	---	1 090	693	436	325	227	165	MEAN
MAX	164	138	108	87.8	922	---	1 280	823	543	365	284	187	MAX
MIN	139	110	88.4	78.3	77.1	---	829	550	364	289	188	147	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 77.1B ON MAY 8

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 53 30 N
LONG 96 16 31 W
DRAINAGE AREA, 48 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	410 000	JUL	2 830 000
FEB	297 000	AUG	1 860 000
MAR	260 000	SEP	1 130 000
APR	214 000	OCT	870 000
MAY	585 000	NOV	588 000
JUN	---	DEC	442 000

SEINE RIVER DIVERSION NEAR ILE DES CHENES - STATION NO. 05DE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.011B	37.3	66.1	1.60	0.142	0.411	0.008	0.407	---	---	1
2	---	---	0.011B	29.1	50.7	1.41	0.127	0.359	0.008	0.385	---	---	2
3	---	---	0.011B	23.3	41.5	1.19	0.116	0.332	0.009	0.376	---	---	3
4	---	---	0.012B	19.4	35.6	0.896	0.115	0.303	0.010	0.416	---	---	4
5	---	---	0.010B	17.2	35.4	0.744	0.097	0.278	0.012	0.638	---	---	5
6	---	---	0.009B	15.2	34.6	0.884	0.077	0.254	0.014	0.723	---	---	6
7	---	---	0.010B	13.7	31.2	0.567	0.086	0.230	0.018	0.857	---	---	7
8	---	---	0.011B	12.6	29.0	0.495	0.137	0.209	0.024	0.836	---	---	8
9	---	---	0.012B	11.6	24.9	0.420	0.448	0.216	0.029	0.630	---	---	9
10	---	---	0.013B	10.4	20.5	0.358	0.483	0.221	0.031	0.606	---	---	10
11	---	---	0.013B	9.34	19.0	0.255	0.589	0.219	0.031	0.584	---	---	11
12	---	---	0.014B	8.61	18.5	0.174	0.558	0.182	0.028	0.582	---	---	12
13	---	---	0.015B	7.95	18.7	0.131	0.487	0.149	0.025	0.572	---	---	13
14	---	---	0.018B	6.87	17.3	0.112	0.982	0.124	0.023	0.844	---	---	14
15	---	---	0.021B	6.18	14.7	0.099	1.00	0.105	0.023	0.879	---	---	15
16	---	---	0.030B	5.53	12.6	0.097	0.944	0.093	0.022	0.647	---	---	16
17	---	---	0.037B	5.31	11.4	0.092	0.779	0.086	0.023	0.552	---	---	17
18	---	---	0.038B	5.22	9.94	0.098	0.484	0.085	0.024	0.454	---	---	18
19	---	---	0.036B	5.49	8.78	0.088	0.373	0.081	0.045	0.421	---	---	19
20	---	---	0.032B	7.04	7.74	0.110	0.380	0.072	0.169	0.381	---	---	20
21	---	---	0.032B	8.45	6.76	0.118	0.337	0.066	0.226	0.347	---	---	21
22	---	---	0.118B	8.48	6.05	0.137	0.302	0.059	0.207	0.326	---	---	22
23	---	---	0.204B	7.88	5.10	0.129	0.274	0.055	0.209	0.330	---	---	23
24	---	---	9.84 B	7.17	5.38	0.103	0.250	0.048	0.229	0.358	---	---	24
25	---	---	19.9 B	6.86	4.71	0.091	0.218	0.038	0.366	0.354	---	---	25
26	---	---	15.2 B	7.20	4.23	0.118	0.255	0.027	0.425	0.332	---	---	26
27	---	---	17.4 B	12.9	3.73	0.119	0.402	0.018	0.342	0.316	---	---	27
28	---	---	42.4 B	24.2	3.27	0.177	0.655	0.014	0.343	0.297	---	---	28
29	---		60.2 B	29.0	2.78	0.188	0.710	0.011	0.339	0.281	---	---	29
30	---		62.0 B	31.2	2.38	0.170	0.753	0.010	0.367	0.318	---	---	30
31	---		42.7		1.99		0.530	0.009		0.303		---	31
TOTAL	---	---	270.356	400.68	558.51	10.956	13.041	4.364	3.629	14.552	---	---	TOTAL
MEAN	---	---	8.72	13.4	18.0	0.365	0.421	0.141	0.121	0.469	---	---	MEAN
MAX	---	---	62.0	37.3	66.1	1.60	1.00	0.411	0.425	0.723	---	---	MAX
MIN	---	---	0.009	5.22	1.99	0.089	0.086	0.009	0.008	0.281	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.21
MAXIMUM DAILY, 66.1 ON MAY 1
MINIMUM DAILY, 0.008 ON SEP 1
MAXIMUM INSTANTANEOUS,
72.4 AT 11:13 CST ON MAY 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 96 59 18 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 130
FEB	---	AUG	377
MAR	23 400	SEP	314
APR	34 800	OCT	1 280
MAY	48 300	NOV	---
JUN	947	DEC	---

TOTAL DISCHARGE, 110 000 dam³

SEINE RIVER DIVERSION NEAR STE. ANNE - STATION NO. 05KH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	18.5 B	23.2	0.972	0.001	0.002	0	0	---	---	1
2	---	---	0 B	17.5	25.0	0.841	0	0.002	0	0.280	---	---	2
3	---	---	0 B	15.6	27.6	0.840	0	0.001	0	0.401	---	---	3
4	---	---	0 B	12.9	26.0	0.784	0	0.001	0	0.563	---	---	4
5	---	---	0 B	11.8	20.9	0.749	0.100	0	0	0.529	---	---	5
6	---	---	0 B	10.0	18.0	0.693	0.237	0	0	0.513	---	---	6
7	---	---	0 B	10.1	19.0	0.638	0.316	0	0	0.555	---	---	7
8	---	---	0 B	8.44	16.5	0.549	0.347	0	0	0.511	---	---	8
9	---	---	0 B	8.78	14.9	0.244	0.320	0	0	0.526	---	---	9
10	---	---	0 B	7.84	12.1	0.004	0.272	0	0	0.563	---	---	10
11	---	---	0 B	7.31	11.2	0.003	0.186	0	0	0.536	---	---	11
12	---	---	0 B	6.59	11.4	0.003	0.648	0	0	0.493	---	---	12
13	---	---	0 B	5.96	10.8	0.002	1.00	0	0	0.480	---	---	13
14	---	---	0 B	4.97	9.01	0.002	0.886	0	0	0.444	---	---	14
15	---	---	0 B	4.38	8.58	0.002	0.725	0	0	0.375	---	---	15
16	---	---	0 B	3.85	7.68	0.002	0.011	0	0	0.005	---	---	16
17	---	---	0 B	3.83	6.95	0.002	0.003	0	0	0.003	---	---	17
18	---	---	0 B	3.68	6.10	0.002	0.003	0	0	0.003	---	---	18
19	---	---	0 B	4.07	5.61	0.001	0.003	0	0	0.003	---	---	19
20	---	---	0 B	5.25	4.83	0.003	0.002	0	0	0.002	---	---	20
21	---	---	0 B	5.85	4.22	0.003	0.002	0	0	0.002	---	---	21
22	---	---	0.0028	5.55	4.05	0.003	0.001	0	0	0.002	---	---	22
23	---	---	0.0958	5.16	3.85	0.002	0.001	0	0	0.002	---	---	23
24	---	---	0.3398	4.79	3.27	0.002	0.001	0	0	0.002	---	---	24
25	---	---	1.07 B	4.64	2.92	0.002	0	0	0	0.002	---	---	25
26	---	---	1.82 B	5.05	2.80	0.002	0	0	0	0.002	---	---	26
27	---	---	1.71 B	5.27	2.20	0.002	0	0	0	0.001	---	---	27
28	---	---	0.16 B	14.3	1.92	0.002	0	0	0	0.001	---	---	28
29	---		0.62 B	17.2	1.84	0.001	0.002	0	0	0.001	---	---	29
30	---		13.3 B	17.9	1.44	0.001	0.002	0	0	0.001	---	---	30
31	---		15.5 B		1.20		0.002	0		0.001		---	31
TOTAL	---	---	90.546	283.56	318.45	8.686	5.084	0.006	0	5.682	---	---	TOTAL
MEAN	---	---	1.83	8.79	10.3	0.217	0.183	0	0	0.216	---	---	MEAN
MAX	---	---	15.5	18.5	27.6	0.972	1.00	0.002	0	0.563	---	---	MAX
MIN	---	---	0	3.68	1.20	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.66
MAXIMUM DAILY, 27.6 ON MAY 3
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
28.6 AT 18:16 CST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 10 N
LONG 96 35 10 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	437
FEB	---	AUG	0.62
MAR	4 370	SEP	0
APR	22 400	OCT	575
MAY	27 500	NOV	---
JUN	561	DEC	---

TOTAL DISCHARGE, 55 200 dam³

SEINE RIVER NEAR PRAIRIE GROVE - STATION NO. 05KH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1148	0.1348	0.2388	26.0 B	11.9	---	---	---	---	---	---	---	1
2	0.1059	0.1488	0.2398	19.2 B	10.2	---	---	---	---	---	---	---	2
3	0.0968	0.1688	0.2408	11.8 B	11.6	---	---	---	---	---	---	---	3
4	0.0958	0.1808	0.2508	6.34 B	8.96	---	---	---	---	---	---	---	4
5	0.0958	0.1918	0.2608	4.46	5.38	---	---	---	---	---	---	---	5
6	0.1278	0.2038	0.2658	3.44	6.72	---	---	---	---	---	---	---	6
7	0.1028	0.2238	0.2568	3.07	6.60	---	---	---	---	---	---	---	7
8	0.0898	0.2278	0.2448	2.57	5.08	---	---	---	---	---	---	---	8
9	0.0898	0.2418	0.2368	1.88	4.15	---	---	---	---	---	---	---	9
10	0.0278	0.2388	0.1988	1.51	3.85	---	---	---	---	---	---	---	10
11	0.0858	0.2308	0.1778	1.29	3.63	---	---	---	---	---	---	---	11
12	0.0868	0.2248	0.1658	1.04	4.08	---	---	---	---	---	---	---	12
13	0.0968	0.2208	0.1558	0.8408	4.64	---	---	---	---	---	---	---	13
14	0.1018	0.2268	0.1538	0.4938	3.946	---	---	---	---	---	---	---	14
15	0.1008	0.2388	0.1508	0.4938	---		---	---	---	---	---	---	15
16	0.1018	0.2488	0.1548	0.5128	---	---	---	---	---	---	---	---	16
17	0.1108	0.2628	0.1598	1.11	---	---	---	---	---	---	---	---	17
18	0.1208	0.2638	0.1648	1.15	---	---	---	---	---	---	---	---	18
19	0.1338	0.2608	0.1718	1.32	---	---	---	---	---	---	---	---	19
20	0.1388	0.2478	0.1748	1.57	---	---	---	---	---	---	---	---	20
21	0.1438	0.2398	0.1788	1.58	---	---	---	---	---	---	---	---	21
22	0.1378	0.2378	0.2168	1.46	---	---	---	---	---	---	---	---	22
23	0.1268	0.2338	0.2638	1.38	---	---	---	---	---	---	---	---	23
24	0.1218	0.2278	0.2788	1.32	---	---	---	---	---	---	---	---	24
25	0.1308	0.2278	0.3478	1.26	---	---	---	---	---	---	---	---	25
26	0.1568	0.2268	0.5738	1.58	---	---	---	---	---	---	---	---	26
27	0.1698	0.2308	0.8728	3.59	---	---	---	---	---	---	---	---	27
28	0.1548	0.2358	3.04 B	6.13	---	---	---	---	---	---	---	---	28
29	0.1338		8.27 B	7.22	---	---	---	---	---	---	---	---	29
30	0.1268		17.4 B	8.78	---	---	---	---	---	---	---	---	30
31	0.1208		25.4 B		---		---	---		---	---	---	31
TOTAL	3.585	5.204	60.874	122.389	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.116	0.222	1.96	4.08	---	---	---	---	---	---	---	---	MEAN
MAX	0.169	0.263	25.4	26.0	---	---	---	---	---	---	---	---	MAX
MIN	0.085	0.134	0.150	0.493	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 26.08 ON APR 1

MAXIMUM INSTANTANEOUS,
26.88 AT 21:12 CST ON MAR 31

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 15 N
LONG 96 56 10 W
DRAINAGE AREA, 1 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	211	JUL	---
FEB	536	AUG	---
MAR	5 260	SEP	---
APR	10 600	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

REMARKS - DATA FOR MAY 15 TO OCT 31 AT NEW LOCATION 05KH005 SOUTH OF PRAIRIE GROVE

SEINE RIVER NEAR STE. ANNE - STATION NO. 05OH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1368	10.4 E	21.0	0.731	0.341	0.331	0.043E	0.463	0.335	---	1
2	---	---	0.1358	15.3 E	22.3	0.615	0.322	0.308	0.038E	0.502	0.384	---	2
3	---	---	0.1398	13.6	23.7	0.606	0.309	0.268	0.035E	0.482	---	---	3
4	---	---	0.1328	11.8	22.5	0.527	0.322	0.251	0.034E	0.575	---	---	4
5	---	---	0.1288	10.8 E	19.4	0.524	0.270	0.234	0.050E	0.551	---	---	5
6	---	---	0.1258	10.1 E	18.3	0.467	0.263	0.216	0.065E	0.534	---	---	6
7	---	---	0.1268	9.63E	19.4	0.450	0.320	0.190	0.130E	0.538	---	---	7
8	---	---	0.1278	9.03	18.4	0.434	0.331	0.165	0.190E	0.549	---	---	8
9	---	---	0.1288	8.90	16.0	0.419	0.327	0.179	0.162E	0.555	---	---	9
10	---	---	0.1308	7.80	13.4	0.398	0.389	0.175	0.173E	0.533	---	---	10
11	---	---	0.1348	7.25	12.5	0.380	0.458	0.165	0.185E	0.529	---	---	11
12	---	---	0.1448	6.75	12.5	0.362	0.518	0.136	0.152E	0.518	---	---	12
13	---	---	0.1578	6.17	13.2 A	0.380	0.638	0.129	0.135E	0.491	---	---	13
14	---	---	0.1738	5.85	10.6 E	0.344	0.742	0.134	0.118E	0.479	---	---	14
15	---	---	0.1638	4.84	9.33 A	0.340	0.861	0.128	0.106E	0.476	---	---	15
16	---	---	0.1648	4.52	8.63	0.350	0.779	0.112	0.080E	0.507	---	---	16
17	---	---	0.1748	4.50	7.84	0.352	0.679	0.108	0.069E	0.473	---	---	17
18	---	---	0.2038	4.33	8.92	0.398	0.548	0.103	0.120E	0.476	---	---	18
19	---	---	0.1898	4.59	6.20	0.376	0.478	0.093	0.180A	0.457	---	---	19
20	---	---	0.1138	5.18	5.48	0.373	0.415	0.074	0.281	0.449	---	---	20
21	---	---	0.1698	5.85	4.89	0.368	0.385	0.068	0.295	0.475	---	---	21
22	---	---	0.265	6.50	4.19	0.371	0.318	0.070	0.290	0.488	---	---	22
23	---	---	1.18 B	6.04	3.55	0.382	0.300	0.068	0.293	0.427	---	---	23
24	---	---	1.47 B	5.75	2.96	0.323	0.246	0.061	0.334	0.406	---	---	24
25	---	---	1.18 B	5.94	2.54	0.289	0.221	0.065	0.342	0.401	---	---	25
26	---	---	1.31 B	6.00	2.24	0.307	0.254	0.055A	0.278	0.423	---	---	26
27	---	---	1.47 B	5.99	1.81	0.279	0.295	0.052E	0.259	0.418	---	---	27
28	---	---	5.81 B	14.8	1.54	0.280	0.214	0.050E	0.323	0.414	---	---	28
29	---	---	11.6 B	19.0	1.32	0.320	0.328	0.048E	0.363	0.380	---	---	29
30	---	---	17.8 B	17.8	1.10	0.289	0.336	0.047E	0.427	0.370	---	---	30
31	---	---	21.8 B		0.909		0.323	0.045E		0.368		---	31
TOTAL	---	---	88.828	263.03	315.359	12.045	12.271	4.185	3.983	14.910	---	---	TOTAL
MEAN	---	---	2.16	8.77	10.2	0.402	0.396	0.134	0.166	0.475	---	---	MEAN
MAX	---	---	21.8	17.8	23.7	0.731	0.861	0.331	0.427	0.575	---	---	MAX
MIN	---	---	0.113	4.33	0.909	0.289	0.209	0.045	0.034	0.368	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 2.82
MAXIMUM DAILY, 23.7 ON MAY 3
MINIMUM DAILY, 0.0360 ON SEP 4
MAXIMUM INSTANTANEOUS,
24.8 AT 10:52 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 10 N
LONG 96 37 00 W
DRAINAGE AREA, 590 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 070
FEB	---	AUG	360
MAR	5 700	SEP	462
APR	22 700	OCT	1 270
MAY	27 200	NOV	---
JUN	1 040	DEC	---

TOTAL DISCHARGE, 59 900 dam³

SEINE RIVER SOUTH OF PRAIRIE GROVE - STATION NO. 05OH009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	0.287	0.431	0.558	0.078	0.485	---	---	1
2	---	---	---	---	---	0.253	0.406	0.487	0.048	0.467	---	---	2
3	---	---	---	---	---	0.261	0.352	0.371	0.042	0.397	---	---	3
4	---	---	---	---	---	0.358	0.325	0.346	0.035	0.261	---	---	4
5	---	---	---	---	---	0.344	0.284	0.319	0.034	0.130	---	---	5
6	---	---	---	---	---	0.238	0.185	0.264	0.050	0.105	---	---	6
7	---	---	---	---	---	0.260	0.106	0.239	0.056	0.054	---	---	7
8	---	---	---	---	---	0.235	0.078	0.226	0.046	0.048	---	---	8
9	---	---	---	---	---	0.215	0.072	0.202	0.213	0.043	---	---	9
10	---	---	---	---	---	0.210	0.064	0.161	0.236	0.039	---	---	10
11	---	---	---	---	---	0.765	0.056	0.139	0.206	0.036	---	---	11
12	---	---	---	---	---	0.746	0.052	0.141	0.185	0.033	---	---	12
13	---	---	---	---	---	0.610	0.193	0.154	0.163	0.061	---	---	13
14	---	---	---	---	3.06 A	0.548	0.180	0.141	0.201	0.039	---	---	14
15	---	---	---	---	3.40	0.508	0.078	0.133	0.181	0.038	---	---	15
16	---	---	---	---	3.02	0.467	0.069	0.136	0.130	0.037	---	---	16
17	---	---	---	---	2.74	0.449	0.619	0.143	0.119	0.091	---	---	17
18	---	---	---	---	2.51	0.427	1.80	0.116	0.129	0.488	---	---	18
19	---	---	---	---	2.31	0.441	1.20	0.123	0.120	0.432	---	---	19
20	---	---	---	---	2.17	0.567	0.884	0.104	0.122	0.429	---	---	20
21	---	---	---	---	2.00	0.705	0.846	0.119	0.110	0.421	---	---	21
22	---	---	---	---	1.85	0.906	0.612	0.071	0.108	0.404	---	---	22
23	---	---	---	---	1.45	0.720	0.431	0.086	0.160	0.400	---	---	23
24	---	---	---	---	0.845	0.624	0.384	0.077	0.178	0.400	---	---	24
25	---	---	---	---	0.706	0.583	0.337	0.069	0.267	0.383	---	---	25
26	---	---	---	---	0.580	0.548	0.332	0.067	0.218	0.385	---	---	26
27	---	---	---	---	0.475	0.480	0.335	0.068	0.400	0.359	---	---	27
28	---	---	---	---	0.429	0.480	0.469	0.085	0.285	0.365	---	---	28
29	---	---	---	---	0.382	0.438	0.571	0.053	0.417	0.378	---	---	29
30	---	---	---	---	0.346	0.411	0.589	0.062	0.350	0.378	---	---	30
31	---	---	---	---	0.391		0.637	0.062		0.378		---	31
TOTAL	---	---	---	---	---	14.110	12.486	5.340	5.151	7.677	---	---	TOTAL
MEAN	---	---	---	---	---	0.470	0.681	0.172	0.172	0.256	---	---	MEAN
MAX	---	---	---	---	---	0.906	1.80	0.558	0.417	0.488	---	---	MAX
MIN	---	---	---	---	---	0.210	0.069	0.053	0.034	0.036	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0.034 ON OCT 11

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 46 15 N
LONG 96 57 27 W

A - MANUAL GAUGE

REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 080
FEB	---	AUG	461
MAR	---	SEP	445
APR	---	OCT	661
MAY	---	NOV	---
JUN	1 220	DEC	---

REMARKS - DATA FOR JAN 01 TO MAY 13 AT OLD LOCATION 05OH006 NEAR PRAIRIE GROVE

SHANNON CREEK NEAR MORDEN - STATION NO. 05OF021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.07	3.41	0.818	0.040	0.040	0	0	---	---	1
2	---	---	0 B	2.03	2.19	0.494	0.027	0.072	0	0	---	---	2
3	---	---	0 B	1.74	1.13	0.380	0.014	0.094	0	0	---	---	3
4	---	---	0 B	1.72	0.865	0.305	0.010	0.037	0	0	---	---	4
5	---	---	0 B	1.39	5.43	0.259	0.021	0.035	0	0	---	---	5
6	---	---	0 B	0.966	9.36	0.341	0.026	0.012	0	0	---	---	6
7	---	---	0 B	0.787	5.37	0.225	0.013	0.002	0	0	---	---	7
8	---	---	0 B	0.707	3.77	0.200	0.016	0	0	0	---	---	8
9	---	---	0 B	0.606	2.08	0.265	0.012	0	0	0	---	---	9
10	---	---	0 B	0.554	1.93	0.207	0.030	0	0	0	---	---	10
11	---	---	0 B	0.580	2.54	0.202	0.063	0	0	0	---	---	11
12	---	---	0 B	0.525	11.7	0.217	0.091	0	0	0	---	---	12
13	---	---	0 B	0.473	6.68	0.158	0.172	0	0	0	---	---	13
14	---	---	0 B	0.433	3.88	0.126	0.207	0	0	0	---	---	14
15	---	---	0 B	0.412	2.90	0.120	0.187	0	0	0	---	---	15
16	---	---	0 B	0.466	1.84	0.137	0.162	0	0	0	---	---	16
17	---	---	0 B	0.492	1.70	0.160	0.125	0	0	0	---	---	17
18	---	---	0 B	0.72.	1.88	0.158	0.105	0	0	0	---	---	18
19	---	---	0 B	4.78	1.66	0.131	0.082	0	0	0	---	---	19
20	---	---	0 B	5.59	1.62	0.137	0.072	0	0	0	---	---	20
21	---	---	0.1668	1.99	1.43	0.157	0.082	0	0	0	---	---	21
22	---	---	0.5828	0.855	1.38	0.136	0.096	0	0	0	---	---	22
23	---	---	1.79 B	0.776	1.27	0.116	0.105	0	0	0	---	---	23
24	---	---	3.88 B	0.874	1.21	0.091	0.078	0	0	0	---	---	24
25	---	---	3.09 B	0.831	1.18	0.078	0.064	0	0	0	---	---	25
26	---	---	4.03 B	0.733	1.10	0.065	0.048	0	0	0	---	---	26
27	---	---	4.69 B	0.990	1.00	0.052	0.057	0	0	0	---	---	27
28	---	---	4.71 B	1.36	0.936	0.037	0.068	0	0	0	---	---	28
29	---		5.23 B	1.35	0.805	0.035	0.073	0	0	0	---	---	29
30	---		4.89 B	1.23	0.787	0.030	0.017	0	0	0	---	---	30
31	---		3.83 B		0.709		0.093	0		0	---	---	31
TOTAL	---	---	35.845	40.259	82.902	6.136	2.356	0.387	0	0	---	---	TOTAL
MEAN	---	---	1.16	1.34	2.68	0.205	0.076	0.009	0	0	---	---	MEAN
MAX	---	---	6.23	6.78	11.7	0.816	0.207	0.045	0	0	---	---	MAX
MIN	---	---	0	0.412	0.709	0.030	0.012	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.827
MAXIMUM DAILY, 11.7 ON MAY 12
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
15.6 AT 10:15 CST ON MAY 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 10 N
LONG 97 53 40 W
DRAINAGE AREA, 351 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	204
FEB	---	AUG	34.6
MAR	3 170	SEP	0
APR	3 480	OCT	0
MAY	7 140	NOV	---
JUN	530	DEC	---

TOTAL DISCHARGE, 14 000 dam³

SHANNON CREEK NEAR MORRIS - STATION NO. 05OF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	14.0	5.47	0.354	0	0.0272	0E	0	---	---	1
2	---	---	0 B	10.0	5.34	0.336	0.003	0.0172	0E	0	---	---	2
3	---	---	0 B	6.36	5.04	0.316	0.017	0.0122	0E	0	---	---	3
4	---	---	0 B	5.83	4.19	0.254	0.054	0.0252	0E	0	---	---	4
5	---	---	0 B	5.97	13.9	0.218	0.054	0.0418	0E	0	---	---	5
6	---	---	0 B	4.95	35.6	0.172	0.035	0.0228	0E	0	---	---	6
7	---	---	0 B	3.80	24.9	0.125	0.012	0.0118	0E	0	---	---	7
8	---	---	0 B	3.46	12.1	0.100	0.013	0 E	0E	0	---	---	8
9	---	---	0 B	1.34	8.04	0.082	0.075	0 E	0E	0	---	---	9
10	---	---	0 B	1.01	6.85	0.060	0.114	0 E	0E	0	---	---	10
11	---	---	0 B	0.783	9.40	0.024	0.021	0 E	0E	0	---	---	11
12	---	---	0 B	0.613	27.2	0.007	0.106	0.0118	0E	0	---	---	12
13	---	---	0 B	0.3298	40.2	0.001	0.095	0.0104	0E	0	---	---	13
14	---	---	0 B	0.2158	14.4	0.001	0.033	0.038	0E	0	---	---	14
15	---	---	0 B	0.2828	6.15	0.034	0.001	0.035	0E	0	---	---	15
16	---	---	0 B	0.486	4.28	0.034	0.002	0.0024	0E	0	---	---	16
17	---	---	0 B	0.410	3.33	0.036	0.031	0 E	0E	0	---	---	17
18	---	---	0 B	0.429	2.80	0.053	0.056	0 E	0E	0	---	---	18
19	---	---	0 B	0.531	2.55	0.093	0.031	0 E	0E	0	---	---	19
20	---	---	0 B	10.7	3.38	0.145	0.055	0 E	0E	0	---	---	20
21	---	---	0 B	10.9	2.07	0.184	0.101	0 E	0E	0	---	---	21
22	---	---	0.0218	5.46	1.72	0.221	0.150	0 E	0E	0	---	---	22
23	---	---	0.2158	3.52	1.45	0.220	0.168	0 E	0E	0	---	---	23
24	---	---	3.30 B	2.01	1.34	0.184	0.018	0 E	0E	0	---	---	24
25	---	---	6.86 B	1.46	1.13	0.143	0.008	0 E	0E	0	---	---	25
26	---	---	6.48 B	2.06	0.990	0.114	0.001	0 E	0E	0	---	---	26
27	---	---	33.3 B	2.00	0.883	0.103	0.008	0 E	0E	0	---	---	27
28	---	---	26.2 B	2.20	0.764	0.075	0	0 E	0E	0	---	---	28
29	---		26.6 B	3.74	0.611	0.001	0	0 E	0E	0	---	---	29
30	---		30.2	6.89	0.512	0	0	0 E	0E	0	---	---	30
31	---		19.6		0.438		0.0154	0 E		0	---	---	31
TOTAL	---	---	170.066	112.087	207.336	3.724	1.275	0.390	0	0	---	---	TOTAL
MEAN	---	---	5.51	3.74	6.30	0.124	0.041	0.009	0	0	---	---	MEAN
MAX	---	---	36.6	14.0	40.2	0.354	0.168	0.041	0	0	---	---	MAX
MIN	---	---	0	0.215	0.438	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.23
MAXIMUM DAILY, 40.2 ON MAY 13
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
50.6 AT 04:51 CST ON MAY 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 17 N
LONG 97 25 10 W
DRAINAGE AREA, 826 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	110
FEB	---	AUG	21.6
MAR	14 700	SEP	0
APR	8 040	OCT	0
MAY	22 200	NOV	---
JUN	332	DEC	---

TOTAL DISCHARGE, 47 000 dam³

SWAMPY CREEK TRIBUTARY NEAR MYRTLE - STATION NO. 05DP015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	E 3.01	0.383	0.005	0	0.041	0	0	---	---	1
2	---	---	0	E 1.89	0.590	0.003	0	0.034	0	0	---	---	2
3	---	---	0	E 1.40	0.427	0.004	0	0.013	0	0	---	---	3
4	---	---	0	E 1.17	0.281	0.004	0	0.004	0	0	---	---	4
5	---	---	0	E 1.03	33.2	0.003	0	0	0	0	---	---	5
6	---	---	0	E 0.780	33.6	0	0	0	0	0	---	---	6
7	---	---	0	E 0.564	8.05	0	0	0	0	0	---	---	7
8	---	---	0	E 0.422	3.40	0	0	0	0	0	---	---	8
9	---	---	0	E 0.322	1.66	0	0	0	0	0	---	---	9
10	---	---	0	E 0.257	0.986	0	0	0	0	0	---	---	10
11	---	---	0	E 0.213	4.69	0	0	0	0	0	---	---	11
12	---	---	0	E 0.1884	33.0	0	0.003	0	0	0	---	---	12
13	---	---	0	E 0.1358	4.25	0	0.001	0	0	0	---	---	13
14	---	---	0	E 0.0956	1.66	0	0	0	0	0	---	---	14
15	---	---	0	E 0.0884	0.464	0	0	0	0	0	---	---	15
16	---	---	0	E 0.0884	0.330	0	0	0	0	0	---	---	16
17	---	---	0	E 0.062	0.134	0	0	0	0	0	---	---	17
18	---	---	0	E 0.001	0.095	0	0	0	0	0	---	---	18
19	---	---	0	E 1.08	0.071	0	0	0	0	0	---	---	19
20	---	---	0	E 3.87	0.068	0	0	0	0	0	---	---	20
21	---	---	0	E 1.08	0.046	0	0	0	0	0	---	---	21
22	---	---	0.0478	E 0.521	0.036	0	0	0	0	0	---	---	22
23	---	---	0.2078	E 0.287	0.032	0	0	0	0	0	---	---	23
24	---	---	0.7138	E 0.180	0.031	0	0	0	0	0	---	---	24
25	---	---	2.86 E	0.183	0.029	0	0	0	0	0	---	---	25
26	---	---	3.36 E	0.183	0.025	0	0.001	0	0	0	---	---	26
27	---	---	6.51 E	0.141	0.013	0	0.001	0	0	0	---	---	27
28	---	---	10.0 E	0.188	0.008	0	0.034	0	0	0	---	---	28
29	---		7.66 E	0.248	0.001	0	0.100	0	0	0	---	---	29
30	---		5.38	0.313	0.003	0	0.117	0	0	0	---	---	30
31	---		4.34		0.004		0.076	0		0	---	---	31
TOTAL	---	---	60.237	19.899	105.087	0.033	0.330	0.081	0	0	---	---	TOTAL
MEAN	---	---	1.94	0.663	3.39	0.001	0.011	0.003	0	0	---	---	MEAN
MAX	---	---	10.0	3.87	33.6	0.004	0.117	0.041	0	0	---	---	MAX
MIN	---	---	0	0.061	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.676
MAXIMUM DAILY, 33.6 ON MAY 12
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
84.4 AT 07 47 CST ON MAY 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 34 N
LONG 97 00 33 W
DRAINAGE AREA, 179 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	28 7
FEB	---	AUG	7 00
MAR	3 480	SEP	0
APR	1 720	OCT	0
MAY	9 080	NOV	---
JUN	1.80	DEC	---

TOTAL DISCHARGE, 14 300 dam³

SHARPE LAKE NEAR DELORAINE - STATION NO. 05HF005

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	857.515	857.574E	857.618E	857.580	857.473E	857.462E	857.449	---	1
2	---	---	---	---	857.525E	857.569	857.619	857.594E	857.466	857.449	---	---	2
3	---	---	857.355	---	857.526	857.564E	857.614E	857.589	857.463E	857.449E	---	---	3
4	---	---	---	---	857.521E	857.556	857.609	857.584E	857.458	857.449	---	---	4
5	---	---	---	---	857.515	857.554E	857.604E	857.579	857.458E	857.459E	---	---	5
6	---	---	---	---	857.525E	857.549	857.599	857.574E	857.456	857.469	---	---	6
7	---	---	---	---	857.534	857.544E	857.594E	857.569	857.458E	857.474E	---	---	7
8	---	---	---	---	857.534E	857.539	857.589	857.564E	857.458	857.479	---	---	8
9	---	---	---	---	857.534	857.534E	857.584E	857.559	857.453E	857.479E	---	---	9
10	---	---	---	---	857.531E	857.549	857.579	857.554E	857.448	857.479	---	---	10
11	---	---	---	---	857.557	857.545E	857.584E	857.559	857.448E	857.474E	---	---	11
12	---	---	---	---	857.573E	857.549	857.589	857.564E	857.448	857.469	---	---	12
13	---	---	---	---	857.577	857.554E	857.589E	857.559	857.443E	857.469E	---	---	13
14	---	---	---	---	857.573E	857.539	857.600	857.554E	857.438	857.469	---	---	14
15	---	---	---	---	857.567	857.539E	857.589E	857.540	857.438E	857.469E	---	---	15
16	---	---	---	---	857.567E	857.539	857.598	857.544E	857.438	857.469	---	---	16
17	---	---	---	---	857.567	857.539E	857.589E	857.539	857.438E	857.469E	---	---	17
18	---	---	---	---	857.557E	857.539	857.598	857.534E	857.434	857.469	---	---	18
19	---	---	---	---	857.553	857.544E	857.604E	857.529	857.438E	857.464E	---	---	19
20	---	---	---	---	857.573E	857.549	857.599	857.529E	857.434	857.459	---	---	20
21	---	---	---	---	857.579	857.544E	857.594E	857.519	857.438E	857.459E	---	---	21
22	---	---	---	---	857.573E	857.539	857.589	857.514E	857.434	857.459	---	---	22
23	---	---	---	---	857.579	857.539E	857.589E	857.509	857.438E	857.459E	---	---	23
24	---	---	---	---	857.573E	857.535	857.585E	857.505	857.438E	857.459E	---	---	24
25	---	---	---	---	857.579	857.534E	857.589	857.500E	857.438	857.459	---	---	25
26	---	---	---	---	857.584E	857.539	857.599	857.495E	857.434	857.459	---	---	26
27	---	---	---	---	857.589	857.539E	857.599E	857.490E	857.443E	857.459E	---	---	27
28	---	---	---	---	857.589	857.539	857.599	857.485	857.448	857.459	---	---	28
29	---	---	---	---	857.589	857.534E	857.600	857.480E	857.461E	857.454E	---	---	29
30	---	---	---	---	857.584E	857.519	857.600	857.475E	857.474	857.449	---	---	30
31	---	---	---	857.515	857.579		857.600E	857.470E		857.449E		---	31
MEAN	---	---	---	---	857.530	857.543	857.601	857.538	857.448	857.462	---	---	MEAN
MAX	---	---	---	---	857.589	857.574	857.618	857.589	857.474	857.479	---	---	MAX
MIN	---	---	---	---	857.515	857.519	857.579	857.470	857.438	857.449	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 02 42 N
LONG 100 19 39 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHELL RIVER NEAR INGLIS - STATION NO. 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.73 B	1.33 B	0.8838	8.108	6.91	6.12	2.06	1.88	0.805	1.40	2.34 B	0.8838	1
2	1.84 B	1.29 B	0.8869	8.208	6.46	5.91	2.02	1.88	0.743	1.98	2.48 B	1.07 B	2
3	2.12 B	1.17 B	0.7178	10.5 B	6.11	5.63	1.98	1.79	0.716	2.52	2.25 B	1.13 B	3
4	2.14 B	1.10 B	0.7618	15.8 B	5.94	5.14	1.95	1.74	0.888	4.38	2.17	1.18 B	4
5	2.17 B	1.16 B	0.8198	16.0 B	5.74	4.98	2.38	1.73	0.644	4.48	2.38	1.08 B	5
6	2.12 B	1.17 B	0.8348	14.8 B	10.3	5.08	2.33	2.00	0.633	4.42	2.24	1.42 B	6
7	2.15 B	1.19 B	0.8308	16.1 B	13.0	4.88	2.25	3.42	0.606	4.23	1.62 B	1.50 B	7
8	2.23 B	1.32 B	0.8858	18.3	13.0	4.24	2.16	2.24	0.588	3.94	1.79 B	1.48 B	8
9	2.33 B	1.44 B	0.8488	16.8	13.1	4.13	2.22	2.14	0.584	3.80	2.69 B	1.37 B	9
10	1.88 B	1.41 B	0.8488	15.7	13.2	4.06	2.89	2.04	0.586	3.85	2.80 B	1.24 B	10
11	1.83 B	1.33 B	0.8158	15.6	12.8	3.91	3.25	1.82	0.618	3.57	2.06 B	1.37 B	11
12	1.72 B	1.35 B	0.8298	15.5	12.7	3.81	3.27	1.83	0.610	3.43	1.40 B	1.08 B	12
13	1.64 B	1.35 B	0.8448	15.7	12.5	3.62	3.14	1.61	0.582	3.32	0.7788	1.44 B	13
14	1.21 B	1.33 B	1.02 B	15.7	12.6	3.57	3.14	1.42	0.578	3.24	0.7885	1.36 B	14
15	1.22 B	1.30 B	0.8318	15.6	12.8	3.50	3.23	1.36	0.576	3.23	0.8388	1.25 B	15
16	1.38 B	1.31 B	0.7388	16.6	12.3	3.41	3.31	1.36	0.610	3.17	0.9558	1.08 B	16
17	1.42 B	1.32 B	0.8448	17.0	12.0	3.32	3.28	1.43	0.682	3.15	0.8988	1.05 B	17
18	1.43 B	1.28 B	0.5788	14.5	11.8	3.12	3.31	1.47	0.724	3.12	0.7148	0.9738	18
19	1.50 B	1.26 B	0.7888	13.8	11.5	2.72	3.08	1.63	0.760	3.08	1.65 B	1.14 B	19
20	1.27 B	1.1 B	0.8138	12.4	11.4	2.56	2.99	1.47	0.763	3.00	1.54 B	1.80 B	20
21	1.03 B	1.1	0.4888	10.1	11.3	2.41	2.88	1.38	0.758	2.94	1.55 B	1.53 B	21
22	0.8038	1.1	0.5418	9.56	11.3	2.23	2.73	1.30	0.761	2.86	1.52 B	1.45 B	22
23	0.8988	1.08	3.05 B	9.85	10.6	2.13	2.56	1.24	0.758	2.77	1.55 B	1.34 B	23
24	1.04 B	1.05 B	1.06 B	9.44	9.88	2.30	2.42	1.20	0.707	2.68	1.35 B	1.16 B	24
25	1.21 B	0.9728	1.18 B	8.70	9.20	2.51	2.34	1.17	0.760	2.61	1.27 B	0.8548	25
26	1.11 B	0.8718	1.05 B	8.42	8.56	2.84	2.21	1.16	0.807	2.56	1.10 B	1.05 B	26
27	1.12 B	0.7508	0.8298	8.13	8.00	2.38	2.16	1.12	0.956	2.54	1.05 B	1.20 B	27
28	1.16 B	0.7188	2.46 B	7.87	7.47	2.23	2.19	1.06	1.00	2.47	1.16 B	1.12 B	28
29	1.15 B		6.69 B	7.43	6.99	2.14	2.10	0.993	1.26	2.40	1.12 B	1.06 B	29
30	1.20 B		13.2 B	7.26	6.62	2.11	2.04	0.930	1.30	2.33	1.06 B	1.03 B	30
31	1.27 B		14.1 B		6.40		1.88	0.874		2.31		1.05 B	31
TOTAL	47.011	33.382	80.813	378.18	313.10	106.51	79.44	48.347	22.241	95.61	47.018	37.740	TOTAL
MEAN	1.52	1.19	1.06	12.6	10.1	3.55	2.56	1.58	0.761	3.12	1.57	1.22	MEAN
MAX	2.33	1.44	14.1	16.3	13.2	6.12	3.31	3.42	1.30	4.48	2.80	1.60	MAX
MIN	0.888	0.719	0.485	7.26	6.94	2.11	1.95	0.874	0.576	1.40	0.895	0.854	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.46
MAXIMUM DAILY, 16.3 ON APR 8
MINIMUM DAILY, 0.4888 ON MAR 21
MAXIMUM INSTANTANEOUS,
30.08 AT 22:40 CST ON APR 7

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 40 N
LONG 101 19 05 W
DRAINAGE AREA, 2 080 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 050	JUL	6 850
FEB	2 880	AUG	4 180
MAR	5 250	SEP	1 920
APR	32 700	OCT	8 350
MAY	27 100	NOV	4 060
JUN	9 200	DEC	3 260

TOTAL DISCHARGE, 110 000 dam³

SHELL RIVER NEAR ROBLIN - STATION NO. 05MD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8248	6.348	7.81	3.86	1.57	---	---	---	---	---	1
2	---	---	0.8318	6.628	7.49	3.59	1.57	---	---	---	---	---	2
3	---	---	0.8368	7.028	7.26	3.42	1.58	---	---	---	---	---	3
4	---	---	0.8448	7.298	8.02	3.22	1.58	---	---	---	---	---	4
5	---	---	0.8518	8.718	8.53	3.11	1.58	---	---	---	---	---	5
6	---	---	0.8588	8.768	8.30	2.96	1.59	---	---	---	---	---	6
7	---	---	0.8658	9.388	8.97	2.83	1.60	---	---	---	---	---	7
8	---	---	0.8718	9.13	10.0	2.76	2.33	---	---	---	---	---	8
9	---	---	0.8768	11.2	10.1	2.65	2.26	---	---	---	---	---	9
10	---	---	0.8858	13.5	10.2	2.55	2.28	---	---	---	---	---	10
11	---	---	0.8928	15.0	10.4	2.48	2.44	---	---	---	---	---	11
12	---	---	0.8988	16.4	10.6	2.37	2.52	---	---	---	---	---	12
13	---	---	0.8058	17.7	10.6	2.31	2.76	---	---	---	---	---	13
14	---	---	0.9128	17.8	10.2	2.24	2.82	---	---	---	---	---	14
15	---	---	0.8188	16.8	10.1	2.19	2.78	---	---	---	---	---	15
16	---	---	0.9268	12.4	9.80	2.15	2.78	---	---	---	---	---	16
17	---	---	0.9328	12.6	9.81	2.07	2.71A	---	---	---	---	---	17
18	---	---	0.9388	11.3	9.70	2.00	---	---	---	---	---	---	18
19	---	---	0.9468	10.2	9.79	1.93	---	---	---	---	---	---	19
20	---	---	0.9528	10.4	10.1	1.86	---	---	---	---	---	---	20
21	---	---	0.9598	10.7	8.81	1.84	---	---	---	---	---	---	21
22	---	---	0.9668	10.3	8.25	2.18	---	---	---	---	---	---	22
23	---	---	0.9738	9.85	7.56	2.17	---	---	---	---	---	---	23
24	---	---	0.9798	9.84	6.90	1.98	---	---	---	---	---	---	24
25	---	---	0.9888	9.71	6.33	1.84	---	---	---	---	---	---	25
26	---	---	0.8708	9.16	5.81	1.79	---	---	---	---	---	---	26
27	---	---	0.8308	8.97	5.41	1.76	---	---	---	---	---	---	27
28	---	---	0.8208	8.97	5.10	1.68	---	---	---	---	---	---	28
29	---		1.03 B	8.46	5.09	1.67	---	---	---	---	---	---	29
30	---		1.47 B	7.95	4.85	1.68	---	---	---	---	---	---	30
31	---		3.77 B		4.19		---	---	---	---	---	---	31
TOTAL	---	---	31.818	320.70	257.58	70.91	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.02	10.7	8.31	2.36	---	---	---	---	---	---	MEAN
MAX	---	---	3.77	17.8	10.6	3.86	---	---	---	---	---	---	MAX
MIN	---	---	0.824	6.34	4.19	1.67	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.58
MAXIMUM DAILY, 17.8 ON APR 14
MINIMUM DAILY, 0.8248 ON MAR 1
MAXIMUM INSTANTANEOUS,
18.1 AT 05:15 CST ON APR 14

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 39 N
LONG 101 15 21 W
DRAINAGE AREA, 1 330 km²

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2 720	SEP	---
APR	27 700	OCT	---
MAY	22 300	NOV	---
JUN	5 130	DEC	---

TOTAL DISCHARGE, 58 000 dam³

SNOAL LAKE AT INDIAN BAY - STATION NO. 05PD004

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	323.094	---	---	---	---	1
2	---	---	---	---	322.878	---	---	---	---	---	---	---	2
3	323.051	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	322.753	---	---	---	---	---	322.882	---	---	4
5	---	---	---	---	---	---	322.753	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	322.936	---	---	322.750	6
7	---	322.848	322.853	---	---	323.118	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	322.710	---	8
9	---	---	---	---	---	---	---	323.082	---	---	---	---	9
10	323.027	---	---	---	322.897	---	---	---	---	---	---	---	10
11	---	---	---	322.783	---	---	323.118	---	---	323.832	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	322.887	---	---	322.843	13
14	---	322.826	322.826	---	---	323.100	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	---	322.892	---	15
16	---	---	---	---	323.038	---	---	323.048	---	---	---	---	16
17	323.008	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	322.744	---	---	---	---	---	322.785	---	---	18
19	---	---	---	---	---	---	323.106	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	322.869	---	---	322.831	20
21	---	322.805	322.805	---	---	323.097	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	322.892	---	22
23	---	---	---	---	---	---	---	323.015	---	---	---	---	23
24	322.987	---	---	---	323.091	---	---	---	---	---	---	---	24
25	---	---	---	322.788	---	---	323.103	---	---	322.788	---	---	25
26	---	---	---	---	---	---	---	---	322.902	---	---	322.831	26
27	---	---	---	---	---	323.084	---	---	---	---	---	---	27
28	---	322.878	322.878	---	---	---	---	---	---	---	322.870	---	28
29	---	---	---	---	---	---	---	322.954	---	---	---	---	29
30	---		---	---	323.112	---	---	---	---	---	---	---	30
31	322.978		---		---		---	---		322.701		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 37 20 N
LONG 98 12 30 W
DATA CONTRIBUTED BY -
GREATER WINNIPEG WATER DISTRICT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNOAL LAKE AT SNOAL LAKE - STATION NO. 05MC007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	546.714A	---	547.288A	547.208	547.186	547.145	547.108	---	---	1
2	---	---	---	546.814A	---	547.317A	547.214	547.185	547.144	547.100	---	---	2
3	---	---	---	546.926A	---	547.288A	547.211	547.183	547.138	547.113	547.084A	---	3
4	---	---	---	546.914A	---	547.280A	547.209	547.183	547.129	547.104	---	---	4
5	---	---	---	546.914A	---	547.290A	547.222	547.180	547.123	547.102	---	---	5
6	---	---	---	546.934A	---	547.280A	547.321	547.189	547.122	547.103	---	---	6
7	---	---	---	546.864A	---	547.280A	547.305	547.188	547.121	547.096	---	---	7
8	---	---	---	547.004A	---	547.280A	547.203	547.189	547.117	547.096	---	---	8
9	---	---	---	547.034A	---	547.280A	547.200	547.187	547.112	547.106	---	---	9
10	---	---	---	547.114A	---	547.270A	547.202	547.189	547.111	547.091	---	---	10
11	---	---	---	547.168A	---	547.270A	547.203	547.190	547.111	547.088	---	---	11
12	---	---	---	---	---	547.280A	547.201	547.188	547.108	547.080	---	---	12
13	---	---	---	---	---	547.250A	547.205	547.186	547.108	547.089	---	---	13
14	---	---	---	---	---	547.220A	547.210	547.214	547.105	547.075	---	---	14
15	---	---	---	---	---	547.240A	547.211	547.217	547.103	547.086	---	---	15
16	---	---	---	---	547.439A	547.240A	547.202	547.213	547.103	547.084	---	---	16
17	---	---	---	---	547.439A	547.220A	547.204	547.210	547.103	547.080	---	---	17
18	---	---	---	---	547.439A	547.215A	547.211	547.210	547.102	547.086	---	---	18
19	---	---	---	---	547.418A	547.212A	547.198	547.206	547.100	547.084	---	---	19
20	---	---	---	---	547.389A	547.219A	547.197	547.193	547.101	547.086	---	---	20
21	---	---	---	---	547.378A	547.220A	547.196	547.195	547.105	547.089	---	---	21
22	---	---	---	547.581A	547.388A	547.210A	547.191	547.184	547.107	547.081	---	---	22
23	---	---	---	---	547.338A	547.217A	547.196	547.181	547.102	547.085	---	---	23
24	---	---	---	---	547.314A	547.229	547.189	547.177	547.094	547.086	---	---	24
25	---	---	---	---	547.318A	547.217	547.195	547.188	547.108	547.089	---	---	25
26	---	---	---	---	547.317A	547.224	547.187	547.185	547.115	547.086	---	---	26
27	---	---	---	---	547.317A	547.222	547.188	547.189	547.115	547.086	---	---	27
28	---	---	---	---	547.317A	547.215	547.191	547.183	547.118	547.078	---	---	28
29	---		---	---	547.318A	547.214	547.186	547.187	547.113	547.078	---	---	29
30	---		---	---	547.298A	547.214	547.187	547.189	547.108	547.082	---	---	30
31	---		545.588A		547.287A		547.187	547.145		547.078		---	31
MEAN	---	---	---	---	---	547.246	547.200	547.181	547.113	547.090	---	---	MEAN
MAX	---	---	---	---	---	547.317	547.223	547.217	547.145	547.113	---	---	MAX
MIN	---	---	---	---	---	547.210	547.187	547.145	547.094	547.078	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 02 N
LONG 100 35 55 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)

SILVER CREEK NEAR GRANDVIEW - STATION NO. 05LJ040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5.71 B	0.824	0.682	0.045	0.055	0	0.775	---	---	1
2	---	---	0 B	3.36 B	0.828	0.802	0.109	0.123	0	0.884	---	---	2
3	---	---	0 B	1.19 B	0.825	0.557	0.088	0.127	0	0.812	---	---	3
4	---	---	0 B	1.44 B	0.847	0.827	0.050	0.128	0	0.586	---	---	4
5	---	---	0 B	1.31 B	1.01	0.558	0.124	0.145	0	0.518	---	---	5
6	---	---	0 B	1.13 B	1.59	0.531	0.184	0.158	0	0.482	---	---	6
7	---	---	0 B	1.38	2.41	0.463	0.289	0.253	0	0.455	---	---	7
8	---	---	0 B	1.38	3.82	0.315	0.338	0.275	0	0.439	---	---	8
9	---	---	0 B	1.35	5.06	0.272	0.374	0.336	0	0.405	---	---	9
10	---	---	0 B	1.17	7.08	0.277	0.493	0.282	0	0.459	---	---	10
11	---	---	0 B	1.05	9.26	0.230	0.486	0.249	0	0.524	---	---	11
12	---	---	0 B	1.04 A	9.19	0.202	0.439	0.261	0	0.511	---	---	12
13	---	---	0.001B	0.828E	8.62	0.185	0.421	0.229	0	0.506	---	---	13
14	---	---	0.001B	0.746E	5.50	0.134A	0.501	0.230	0	0.488	---	---	14
15	---	---	0.001B	0.878E	3.82	0.105E	0.527	0.176	0	0.469	---	---	15
16	---	---	0.001B	0.740A	2.80	0.077E	0.550	0.127	0	0.455	---	---	16
17	---	---	0.001B	0.882	2.10	0.054A	0.594	0.086	0	0.440	---	---	17
18	---	---	0.001B	0.948	2.05	0.040	0.439	0.048	0	0.408	---	---	18
19	---	---	0.001B	0.928	1.96	0.084	0.322	0.027	0	0.378A	---	---	19
20	---	---	0.001B	0.888	1.84	0.251	0.254	0.013	0	0.367E	---	---	20
21	---	---	0.001B	0.880	1.71	0.428	0.189	0.003	0	0.346E	---	---	21
22	---	---	0.001B	0.818	1.57	0.335	0.148	0	0	0.325E	---	---	22
23	---	---	0.001B	0.849	1.47	0.184	0.120	0	0	0.302E	---	---	23
24	---	---	0.001B	0.828	1.41	0.137	0.094	0	0	0.283E	---	---	24
25	---	---	0.001B	0.880	1.33	0.136	0.070	0	0.003A	0.260E	---	---	25
26	---	---	0.001B	0.879	1.26	0.184	0.118	0	0	0.235E	---	---	26
27	---	---	0.001B	0.856	1.18	0.164	0.079	0	0	0.214E	---	---	27
28	---	---	0.272B	0.833	1.11	0.159	0.073	0	0	0.191E	---	---	28
29	---	---	0.410B	0.776	1.04	0.116	0.052	0	0.742	0.172E	---	---	29
30	---	---	0.738B	0.776	1.00	0.068	0.041	0	0.853	0.150E	---	---	30
31	---	---	2.32 B		0.922		0.035	0		0.128E	---	---	31
TOTAL	---	---	3.655	35.577	65.075	9.115	7.893	3.327	1.597	12.545	---	---	TOTAL
MEAN	---	---	0.118	1.18	2.74	0.271	0.268	0.107	0.057	0.405	---	---	MEAN
MAX	---	---	2.32	5.71	9.26	0.682	0.550	0.336	0.853	0.775	---	---	MAX
MIN	---	---	0	0.678	0.824	0.040	0.035	0	0	0.128	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.644
MAXIMUM DAILY, 9.26 ON MAY 11
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
11.7 AT 22.50 CST ON MAY 12

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 28 N
LONG 100 41 43 W
DRAINAGE AREA, 137 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	685
FEB	---	AUG	287
MAR	316	SEP	147
APR	3 070	OCT	1 080
MAY	7 350	NOV	---
JUN	701	DEC	---

TOTAL DISCHARGE, 13 800 dam³

SIPIWESK LAKE AT FORESTRY DOCK - STATION NO. 05UD005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	187.090	186.643	186.134	187.118	188.100	187.484	186.995	---	186.530	186.980	186.548	1
2	---	187.085	186.627	186.132	187.134	188.101	187.431	186.958	---	186.516	186.907	186.582	2
3	---	187.082	186.614	186.142	187.148	188.101	187.387	186.912	---	186.502	186.836	186.607	3
4	---	187.084	186.591	186.163	187.172	188.086	187.376	186.879	---	186.498	186.865	186.620	4
5	---	187.085	186.577	186.185	187.186	188.085	187.349	186.849	---	186.481	186.106	186.629	5
6	---	187.083	186.559	186.209	187.224	188.075	187.386	186.829	---	186.475	186.136	186.633	6
7	---	187.080	186.529	186.230	187.236	188.055	187.348	186.819	---	186.475	186.157	186.633	7
8	---	187.072	186.500	186.264	187.261	188.037	187.318	186.786	---	186.482	186.176	186.640	8
9	---	187.069	186.474	186.286	187.268	188.026	187.290	186.766	---	186.452	186.171	186.647	9
10	---	187.065	186.450	186.321	187.283A	188.032	187.262	186.761	---	186.450	186.176	186.637	10
11	---	187.043	186.425	186.368	187.350E	188.048	187.219	186.731	---	186.447	186.201	186.628	11
12	---	187.031	186.406	186.435	187.405E	188.048	187.178	186.722	---	186.449	186.223	186.608	12
13	---	187.016	186.382	186.478	187.445E	188.049	187.126	186.700	---	186.436	186.232	186.594	13
14	---	186.993	186.366	186.523	187.500E	188.042	187.065	186.695	---	186.452	186.235	186.590	14
15	---	186.970	186.351	186.584	187.545E	188.037	187.001	186.700	---	186.461	186.230	186.587	15
16	---	186.943	186.334	186.608	187.595E	188.034	186.927	186.666	---	186.474	186.234	186.588	16
17	---	186.925	186.322	186.648	187.640E	188.030	186.852	186.657	---	186.483	186.236	186.590	17
18	---	186.888	186.306	186.681	187.685E	188.017	186.801	186.655	---	186.509	186.233	186.583	18
19	---	186.855	186.288	186.715	187.730E	187.992	186.724	186.649	---	186.525	186.234	186.594	19
20	---	186.831	186.263	186.744	187.775E	187.970	186.644	186.656	---	186.536	186.233	186.601	20
21	---	186.803	186.241	186.772	187.810E	187.925	186.559	186.647	---	186.580	186.248	186.605	21
22	---	186.773	186.226	186.806	187.858A	187.871	186.472	186.653	---	186.583	186.271	186.608	22
23	---	186.745	186.187	186.848	187.886	187.833	186.390	186.656	186.583A	186.615	186.281	186.604	23
24	---	186.714	186.181	186.888	187.923	187.786	186.360	---	186.587	186.656	186.327	186.609	24
25	---	186.703	186.163	186.841	187.953	187.749	186.284	---	186.562	186.698	186.376	186.601	25
26	---	186.683	186.137	186.971	187.980	187.702	186.234	---	186.586	186.786	186.413	186.599	26
27	---	186.674	186.123	186.992	188.004	187.659	186.172	---	186.575	186.709	186.445	186.598	27
28	187.142A	186.657	186.121	187.021	188.021	187.600	186.130	---	186.578	186.644	186.472	186.590	28
29	187.132		186.118	187.068	188.034	187.554	186.097	---	186.581	186.679	186.494	186.587	29
30	187.116		186.120	187.099	188.048	187.512	186.055	---	186.550	186.807	186.525	186.585	30
31	187.093		186.128		188.078		186.036	---		186.847		186.584	31
MEAN	---	186.930	186.347	186.574	187.590	187.940	186.835	---	---	186.577	186.238	186.604	MEAN
MAX	---	187.090	186.643	187.099	188.078	188.101	187.484	---	---	186.847	186.525	186.647	MAX
MIN	---	186.657	186.118	186.132	187.116	187.512	186.036	---	---	186.436	186.880	186.546	MIN

WATER LEVELS IN METRES

MAXIMUM INSTANTANEOUS,
188.118 AT 14:35 CST ON JUN 2

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 97 30 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

SIPIWESK LAKE AT SIPIWESK LANDING - STATION NO. 05UD007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	187.732	186.219	185.939	185.744	186.170	186.801A	1
2	---	---	---	---	---	---	187.665	186.184	185.925	185.725	186.221	186.824A	2
3	---	---	---	---	---	---	187.660	186.141	185.932	185.701	186.267	186.845A	3
4	---	---	---	---	---	---	187.608	186.128	185.948	185.697	186.307	186.863A	4
5	---	---	---	---	---	---	187.644	186.092	185.939	185.684	186.342	186.879A	5
6	---	---	---	---	---	---	187.548	186.063	185.929	185.674	186.376	186.883A	6
7	---	---	---	---	---	---	187.539	186.041	185.910	185.664	186.400	186.886A	7
8	---	---	---	---	---	---	187.558	186.033	185.913	185.655	186.407	186.889A	8
9	---	---	---	---	---	---	187.538	186.020	185.908	185.646	186.391	186.894A	9
10	---	---	---	---	---	---	187.513	185.982	185.923	185.639	186.396	186.877A	10
11	---	---	---	---	---	---	187.489	185.980	185.904	185.655	186.418	186.882	11
12	---	---	---	---	---	---	187.429	185.931	185.881	185.620	186.439	186.848	12
13	---	---	---	---	---	---	187.373	185.957	185.855	185.664	186.461	186.826	13
14	---	---	---	---	---	---	187.298	185.940	185.882	185.680	186.465	186.817	14
15	---	---	---	---	---	---	187.225	185.906	185.845	185.680	186.480	186.818	15
16	---	---	---	---	---	---	187.174	185.867	185.839	185.688	186.489	186.820	16
17	---	---	---	---	---	---	187.122	185.871	185.830	185.698	186.488	186.820	17
18	---	---	---	---	---	---	187.003	185.852	185.826	185.718	186.467	186.825	18
19	---	---	---	---	---	---	186.943	185.875	185.792	185.733	186.480	186.828	19
20	---	---	---	---	---	---	186.839	185.838	185.803	185.748	186.485	186.832	20
21	---	---	---	---	---	---	186.744	185.872	185.810	185.774	186.500	186.833	21
22	---	---	---	---	---	---	186.689	185.880	185.811	185.810	186.525A	186.831	22
23	---	---	---	---	---	---	186.623	185.882	185.813	185.818	186.558A	186.841	23
24	---	---	---	---	---	188.077A	186.582	185.876	185.838	185.854	186.588A	186.838	24
25	---	---	---	---	---	186.026	186.523	185.897	185.884	185.941	186.627A	186.837	25
26	---	---	---	---	---	187.938	186.469	185.887	185.834	185.958	186.671A	186.831	26
27	---	---	---	---	---	187.873	186.440	185.896	185.850	186.027	186.700A	186.823	27
28	---	---	---	---	---	187.847	186.402	185.910	185.796	186.052	186.720A	186.819	28
29	---		---	---	---	187.792	186.351	185.916	185.778	186.072	186.745A	186.819	29
30	---		---	---	---	187.733	186.333	185.935	185.746	186.114	186.774A	186.819	30
31	---		---		---		186.280	185.918		186.180		186.817	31
MEAN	---	---	---	---	---	---	187.075	185.960	185.869	185.783	186.483	186.840	MEAN
MAX	---	---	---	---	---	---	187.732	186.219	185.984	185.180	185.871	186.899	MAX
MIN	---	---	---	---	---	---	186.280	185.836	185.746	185.820	186.170	186.801	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 53 00 N
LONG 98 22 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)

SNOWFLAKE CREEK NEAR SNOWFLAKE - STATION NO. 05OB016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	2.13	1.44	0.489	0.283	0.027	0	0	0	0B	1
2	0B	0B	0 B	2.09	1.44	0.581	0.230	0.026	0	0	0	0B	2
3	0B	0B	0 B	1.81	1.44	8.17	0.260	0.022	0	0	0	0B	3
4	0B	0B	0 B	1.52	1.47	4.18	0.321	0.018	0	0	0	0B	4
5	0B	0B	0 B	1.29	1.29	2.59	0.273	0.017	0	0	0	0B	5
6	0B	0B	0 B	1.22	1.28	1.84	0.271	0.013	0	0	0	0B	6
7	0B	0B	0 B	1.16	1.28	2.25	0.244	0.012	0	0	0	0B	7
8	0B	0B	0 B	1.10	1.28	1.58	0.194	0.010	0	0	0	0B	8
9	0B	0B	0 B	1.07	1.35	1.11	0.154	0.014	0	0	0	0B	9
10	0B	0B	0 B	1.08	1.47	0.947	0.159	0.010	0	0	0	0B	10
11	0B	0B	0 B	1.11	1.58	0.808	0.168	0.007	0	0	0B	0B	11
12	0B	0B	0 B	1.09	1.87	0.700	0.458	0.007	0	0	0B	0B	12
13	0B	0B	0 B	1.03	1.46	0.612	0.436	0.006	0	0	0B	0B	13
14	0B	0B	0 B	0.835	1.36	0.555	0.373	0.005	0	0	0B	0B	14
15	0B	0B	0.0028	0.725	1.28	0.515	0.337	0.004	0	0	0B	0B	15
16	0B	0B	0.2838	0.780	1.25	0.531	0.258	0.002	0	0	0B	0B	16
17	0B	0B	0.3418	1.53	1.19	0.455	0.242	0	0	0	0B	0B	17
18	0B	0B	0.1628	2.08	1.14	0.413	0.191	0	0	0	0B	0B	18
19	0B	0B	0.0718	3.32	1.10	0.380	0.159	0	0	0	0B	0B	19
20	0B	0B	0.0028	2.86	1.05	0.444	0.133	0	0	0	0B	0B	20
21	0B	0B	0.2658	2.07	0.988	1.08	0.111	0	0	0	0B	0B	21
22	0B	0B	2.43 B	1.91	0.949	0.884	0.091	0	0	0	0B	0B	22
23	0B	0B	1.93	1.80	0.905	0.803	0.073	0	0	0	0B	0B	23
24	0B	0B	1.49	1.72	0.886	0.718	0.287	0	0	0	0B	0B	24
25	0B	0B	1.84	1.83	0.818	0.803	0.047	0	0	0	0B	0B	25
26	0B	0B	1.23	1.51	0.773	0.541	0.055	0	0	0	0B	0B	26
27	0B	0B	1.45	1.44	0.724	0.506	0.045	0	0	0	0B	0B	27
28	0B	0B	1.59	1.41	0.680	0.444	0.044	0	0	0	0B	0B	28
29	0B		2.14	1.38	0.633	0.373	0.036	0	0	0	0B	0B	29
30	0B		1.58	1.54	0.576	0.314	0.031	0	0	0	0B	0B	30
31	0B		0.807		0.526		0.026	0		0		0B	31
TOTAL	0	0	17.913	46.050	35.498	35.506	5.800	0.200	0	0	0	0	TOTAL
MEAN	0	0	0.578	1.54	1.15	1.18	0.187	0.006	0	0	0	0	MEAN
MAX	0	0	2.43	3.32	1.87	8.17	0.458	0.027	0	0	0	0	MAX
MIN	0	0	0	0.725	0.526	0.314	0.026	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.385
MAXIMUM DAILY, 8.17 ON JUN 3
MINIMUM DAILY, 0B ON JAN 1
MAXIMUM INSTANTANEOUS,
12.1 AT 04:55 CST ON JUN 3

SUMMARY FOR THE YEAR 1986

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 17 N
LONG 98 36 13 W
DRAINAGE AREA, 980 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	501
FEB	0	AUG	17.3
MAR	1 550	SEP	0
APR	3 980	OCT	0
MAY	3 070	NOV	0
JUN	3 070	DEC	0

TOTAL DISCHARGE, 12 200 dam³

SOURIS RIVER AT SOURIS - STATION NO. 05NG021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.400	15.7 B	21.8	19.0	2.85	2.80	0.775	4.21	---	---	1
2	---	---	1.440	12.5	21.7	18.3	2.73	2.55	0.744	4.41	---	---	2
3	---	---	1.480	13.2	21.4	16.9	2.71	2.62	0.717	4.52	---	---	3
4	---	---	1.520	16.4	21.3	15.9	2.59	3.24	0.675	4.75	---	---	4
5	---	---	1.560	17.4	25.8	15.3	2.85	4.07	0.858	5.87	---	---	5
6	---	---	1.560	17.1	29.5	14.2	2.59	4.12	0.882	4.98	---	---	6
7	---	---	1.770	16.8	26.4	12.0	2.52	3.69	0.892	4.85	---	---	7
8	---	---	3.410	16.0	23.5	9.44	2.20	3.26	0.830	4.97	---	---	8
9	---	---	8.360	14.9	23.5	7.85	1.86	3.04	0.850	4.94E	---	---	9
10	---	---	11.9 B	14.4	24.2	7.19	1.80	3.10	0.873	4.67E	---	---	10
11	---	---	11.4 B	14.2	25.0	7.14	1.86	3.27	0.702	4.22E	---	---	11
12	---	---	10.4 B	13.9	24.7	6.80	1.79	3.30	0.731	3.74E	---	---	12
13	---	---	9.798	13.2	24.2	6.86	1.73	3.13	0.736	3.49A	---	---	13
14	---	---	9.418	12.8	23.8	6.80	1.84	2.86	0.738	3.56	---	---	14
15	---	---	9.258	12.1	24.3	6.03	1.80	2.19	0.802	4.34	---	---	15
16	---	---	9.828	10.9	25.2	5.32	1.17A	1.87	0.855	4.86	---	---	16
17	---	---	11.1 B	9.86	26.4	5.86	2.05A	1.66	0.909	5.16	---	---	17
18	---	---	11.7 B	13.5	27.5	5.61	2.15	1.52	0.867	5.38	---	---	18
19	---	---	10.5 B	17.5	28.0	5.18	1.89	1.40	0.864	5.63	---	---	19
20	---	---	8.898	18.4	28.0	3.94	2.23	1.20	0.923	5.76	---	---	20
21	---	---	6.498	18.5	27.9	4.70	2.28	1.15	1.01	5.79	---	---	21
22	---	---	21.1 B	18.5	26.9	4.82	2.26	1.12	1.00	5.78	---	---	22
23	---	---	18.0 B	18.3	25.3	4.36	2.66	1.11	0.850	5.83	---	---	23
24	---	---	11.3 B	20.2	24.2	4.27	2.98	1.09	0.875	5.90	---	---	24
25	---	---	8.738	20.3	22.8	4.13	3.38	0.995	0.884	5.86	---	---	25
26	---	---	8.358	20.3	21.8	4.21	3.77	0.980	0.878	5.98	---	---	26
27	---	---	10.1 B	21.2	21.3	4.07	4.05	0.887	2.04	6.10	---	---	27
28	---	---	11.8 B	21.7	20.9	3.74	4.48	0.840	3.61	6.13	---	---	28
29	---		12.3 B	21.8	20.5	3.34	4.08	0.908	4.08	6.14	---	---	29
30	---		13.8 B	21.7	20.1	3.00	3.88	0.898	4.15	6.15	---	---	30
31	---		16.1 B		20.2		3.11	0.830		6.17		---	31
TOTAL	---	---	278.72	495.08	747.9	234.49	78.86	65.899	34.702	160.43	---	---	TOTAL
MEAN	---	---	8.99	16.5	24.1	7.82	2.54	2.12	1.16	5.16	---	---	MEAN
MAX	---	---	21.1	21.8	28.5	18.0	4.48	4.12	4.15	6.17	---	---	MAX
MIN	---	---	1.40	9.86	20.1	3.00	1.17	0.830	0.830	3.49	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.55
MAXIMUM DAILY, 28.5 ON MAY 6
MINIMUM DAILY, 0.830 ON SEP 8
MAXIMUM INSTANTANEOUS,
31.2 AT 23:00 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 10 N
LONG 100 15 00 W
DRAINAGE AREA, 58 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 810
FEB	---	AUG	5 880
MAR	26 100	SEP	3 000
APR	42 800	OCT	13 900
MAY	64 600	NOV	---
JUN	20 300	DEC	---

TOTAL DISCHARGE, 181 000 dam³

SOURIS RIVER AT WAWANESA - STATION NO. 05NG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.738	1.568	1.488	20.8	21.8	20.8	2.89	4.24	0.828	4.41	5.43	0.9358	1
2	1.798	1.588	1.448	19.8	21.5	19.8	2.63	3.86	0.803	4.70	5.74	0.9628	2
3	1.468	1.698	1.358	16.1	21.4	18.8	2.40	3.25	0.786	4.81	5.86	1.03 B	3
4	1.478	1.648	1.248	15.2	21.1	17.1	2.36	3.00	0.725	4.85	6.44	1.04 B	4
5	1.678	1.508	1.208	17.5	24.2	15.9	2.24	3.02	0.684	4.99	6.32	1.04 B	5
6	1.638	1.528	1.228	18.2	48.9	15.1	2.05	3.87	0.675	5.01	5.78	0.9848	6
7	1.728	1.558	1.318	17.7	60.8	14.3	2.05	4.48	0.641	5.76	4.74	0.8378	7
8	1.728	1.518	1.358	17.1	44.3	11.8	1.89	4.43	0.621	5.40	3.14	0.8248	8
9	1.848	1.598	1.438	16.0	37.4	8.52	2.02	4.03	0.613	5.37	3.258	1.01 B	9
10	1.888	1.508	1.498	14.9	36.6	7.82	2.25	3.56	0.619	5.10	2.438	1.07 B	10
11	2.068	1.478	1.548	14.1	35.0	6.74	2.11	3.31	0.629	4.80	2.548	0.8198	11
12	2.018	1.568	1.358	14.1	34.1	6.28	1.86	3.43	0.614	4.31	3.038	0.7828	12
13	1.838	1.498	6.248	13.6	32.4	5.83	1.51	3.58	0.622	4.05	2.548	0.8448	13
14	1.808	1.518	15.6 B	13.3	31.0	5.02	1.89	3.54	0.641	3.88	2.018	0.7888	14
15	1.958	1.528	14.4 B	13.3	30.2	5.98	1.85	3.28	0.858	3.60	1.938	0.8668	15
16	1.878	1.528	14.4 B	11.5	30.2	5.77	1.79	2.83	0.724	4.07	2.888	1.01 B	16
17	1.728	1.418	13.3 B	10.6	30.7	5.73	2.03	2.45	0.859	4.87	1.858	1.07 B	17
18	1.588	1.568	13.2 B	12.0	31.5	5.51	2.06	2.10	0.897	5.37	1.448	1.06 B	18
19	1.468	1.548	13.3 B	27.1	32.1	5.33	2.20	1.87	0.886	5.69	1.308	1.11 B	19
20	1.428	1.458	12.7 B	26.2	32.1	5.79	2.65	1.87	0.922	5.99	1.198	1.26 B	20
21	1.448	1.478	13.1 B	23.3	31.5	4.61	2.22	1.50	0.887	5.20	1.328	1.38 B	21
22	1.458	1.688	24.3 B	21.7	31.0	3.35	2.39	1.24	0.850	5.23	1.628	1.33 B	22
23	1.478	1.858	46.4 B	20.6	29.6	4.04	2.47	1.24	0.902	5.22	1.858	1.35 B	23
24	1.588	1.638	38.3 B	20.7	27.9	4.07	2.42	1.15	0.959	5.25	1.608	1.30 B	24
25	1.538	1.488	28.3 B	21.0	26.4	3.85	2.78	1.09	1.12	5.25	1.508	1.13 B	25
26	1.448	1.528	22.6 B	20.9	24.6	4.01	3.35	1.08	1.23	5.26	1.288	1.09 B	26
27	1.398	1.488	21.9 B	20.8	23.3	3.86	4.03	1.07	1.24	5.28	1.238	1.03 B	27
28	1.528	1.458	28.1 B	21.5	22.4	3.63	4.95	0.993	1.17	5.31	1.178	1.04 B	28
29	1.908		27.6 B	21.8	21.8	3.43	5.13	0.831	1.27	5.42	1.088	0.8868	29
30	1.798		23.3 B	22.2	21.2	3.17	4.83	0.920	3.79	5.31	1.028	1.03 B	30
31	1.888		21.2 B		20.6		4.47	0.857		5.08		1.06 B	31
TOTAL	51.51	43.14	414.81	542.8	837.7	248.45	81.85	77.591	27.937	167.15	85.32	32.289	TOTAL
MEAN	1.66	1.54	13.4	18.1	30.2	8.22	2.83	2.50	0.931	5.38	2.84	1.04	MEAN
MAX	2.06	1.81	46.4	27.1	60.8	20.8	5.13	4.48	3.79	6.42	6.84	1.38	MAX
MIN	1.39	1.45	1.20	10.6	20.6	3.17	1.51	0.857	0.613	3.80	1.02	0.784	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.62
MAXIMUM DAILY, 60.8 ON MAY 7
MINIMUM DAILY, 0.613 ON SEP 9
MAXIMUM INSTANTANEOUS,
66.0 AT 05:36 CST ON MAY 7

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 05 N
LONG 99 40 55 W
DRAINAGE AREA, 80 400 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	4 450	JUL	7 080
FEB	3 730	AUG	6 700
MAR	35 800	SEP	2 410
APR	46 900	OCT	14 400
MAY	81 000	NOV	7 370
JUN	21 300	DEC	2 790

TOTAL DISCHARGE, 234 000 dam³

SOURIS RIVER NEAR COULTER - STATION NO. 05NF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.37 B	1.06 B	0.5188	9.20	18.7	13.0	2.07	1.24	0.727	5.35	6.29	0.5308	1
2	1.42 B	1.11 B	1.36 B	11.7	18.9	12.9	1.98	1.42	0.785	5.45	4.16	0.5558	2
3	1.45 B	1.10 B	2.81 B	12.1	19.1	11.8	1.89	1.56	0.767	5.78	2.70	0.5408	3
4	1.51 B	1.06 B	3.81 B	12.5	18.9	7.80	1.95	1.38	0.773	5.83	2.68	0.5268	4
5	1.50 B	0.9808	4.66 B	11.1	18.4	3.19	1.91	1.27	0.782	5.45	2.71	0.5388	5
6	1.46 B	0.9238	5.39 B	10.0	19.2	1.99	1.80	2.03	0.776	4.58	2.60	0.5528	6
7	1.42 B	0.9038	5.41 B	9.43	18.3	3.25	1.68	2.89	0.785	3.83	1.93 B	0.5858	7
8	1.42 B	0.8388	5.06 B	9.85	18.1	3.89	1.12	3.13	0.781	3.73	1.55 B	0.5898	8
9	1.41 B	0.7628	4.95 B	9.53	18.5	4.18	0.833	3.24	0.734	3.85	1.38 B	0.5708	9
10	1.40 B	0.7088	4.66 B	9.35	15.0	4.11	0.400	2.56	0.701	3.85	1.59 B	0.6188	10
11	1.33 B	0.7188	4.08 B	8.74	18.7	4.86	0.447	1.34	0.730	4.71	1.77 B	0.6918	11
12	1.31 B	0.8218	2.82 B	9.45	18.4	4.83	0.772	1.13	0.843	5.58	1.84 B	0.6788	12
13	1.23 B	0.8928	2.96 B	8.87	16.0	3.71	0.914	1.02	0.701	5.75	1.42 B	0.7038	13
14	1.21 B	0.9138	2.85 B	10.8	13.5	2.70	0.995	0.578	0.888	5.85	1.04 B	0.7358	14
15	1.18 B	0.9638	2.07 B	14.2	14.2	2.54	0.884	0.365	0.704	6.03	0.8388	0.7578	15
16	1.20 B	1.05 B	1.55 B	13.5	14.5	2.78	0.889	0.539	0.703	6.00	0.6008	0.7628	16
17	1.21 B	1.11 B	0.9648	13.4	15.9	2.79	1.10	0.863	0.884	6.12	0.4718	0.7598	17
18	1.18 B	1.04 B	0.5828	14.8	17.3	3.11	1.18	0.731	0.841	5.98	0.3888	0.7368	18
19	1.15 B	0.9488	0.3468	15.5	18.6	3.44	1.09	0.710	0.683	5.82	0.2988	0.7268	19
20	1.11 B	0.9548	0.1808	15.2	19.2	3.78	1.10	0.857	0.606	6.08	0.2488	0.7258	20
21	1.04 B	0.8618	0.1938	16.9	18.6	4.27	1.11	0.859	0.868	6.18	0.2288	0.7518	21
22	0.9768	0.7488	0.3418	17.5	17.8	4.42	1.10	0.735	0.741	5.81	0.4288	0.7958	22
23	0.9218	0.6898	0.1778	17.5	17.2	4.55	1.06	0.810	3.16	5.16	0.5738	0.8268	23
24	0.9188	0.7808	0.1248	18.0	17.1	4.60	0.898	0.783	4.38	5.23	0.6068	0.8378	24
25	0.9628	0.9048	0.1658	18.4	17.1	3.35	1.02	0.714	5.14	5.31	0.6058	0.8248	25
26	0.9218	0.9278	0.3628	18.9	17.0	3.01	0.930	0.764	4.89	5.21	0.5738	0.8228	26
27	0.8838	0.8358	0.5038	18.0	16.8	3.12	0.853	0.727	4.80	5.29	0.5628	0.8438	27
28	0.9708	0.3788	0.4188	18.0	16.6	2.83	1.00	0.767	4.88	5.06	0.5518	0.8588	28
29	0.9838		0.2778	18.1	16.3	2.57	0.884	0.756	4.82	5.04	0.5258	0.8848	29
30	1.04 B		0.3748	18.6	16.1	2.30	1.00	0.787	5.14	5.39	0.5158	0.8328	30
31	1.05 B		1.22 B		14.0		1.14	0.659		5.85		0.8278	31
TOTAL	37.145	24.832	61.894	414.32	536.0	135.50	38.019	38.572	52.589	172.84	41.842	21.950	TOTAL
MEAN	1.20	0.887	1.99	13.8	17.3	4.52	1.16	1.18	1.75	5.58	1.39	0.708	MEAN
MAX	1.51	1.11	5.41	18.4	18.5	13.0	2.07	3.24	5.14	6.39	6.29	0.884	MAX
MIN	0.883	0.378	0.124	8.74	13.5	1.99	0.400	0.365	0.483	3.85	0.226	0.526	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.30
MAXIMUM DAILY, 19.5 ON MAY 9
MINIMUM DAILY, 0.1248 ON MAR 24
MAXIMUM INSTANTANEOUS,
22.1 AT 17:53 CST ON MAY 9

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 27 N
LONG 100 57 12 W
DRAINAGE AREA, 43 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 210	JUL	3 110
FEB	2 150	AUG	3 160
MAR	5 330	SEP	4 540
APR	35 800	OCT	14 900
MAY	46 300	NOV	3 600
JUN	11 700	DEC	1 900

TOTAL DISCHARGE, 136 000 dam³

SOURIS RIVER NEAR LAUDER - STATION NO. 05NG025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8468	10.4	20.0	17.8	1.53	2.71	0.880	4.95	---	---	1
2	---	---	0.5898	13.1	19.5	18.1	1.53	3.42	0.899	5.15	---	---	2
3	---	---	0.8038	16.3	19.7	18.3	1.42	4.22	0.884	5.14	---	---	3
4	---	---	1.84 B	16.3	20.0	14.5	1.36	4.45	0.585	5.21	---	---	4
5	---	---	5.13 B	16.2	20.4	12.6	1.46	4.09	0.595	5.13	---	---	5
6	---	---	10.1 B	15.8	21.7	9.45	1.24	3.89	0.594	4.90	---	---	6
7	---	---	10.0 B	15.0	22.1	6.64	1.13	3.30	0.806	4.24	---	---	7
8	---	---	10.8 B	14.0	22.8	5.30	1.11	3.46	0.817	3.73	---	---	8
9	---	---	11.1 B	13.7	23.8	5.41	1.15	3.74	0.650	3.57	---	---	9
10	---	---	11.1 B	13.7	24.8	4.83	1.13	3.76	0.639	3.42	---	---	10
11	---	---	9.83 B	13.4	25.0	4.10	1.06	3.57	0.872	3.54	---	---	11
12	---	---	11.1 B	12.8	24.7	4.61	0.871	2.86	0.883	4.28	---	---	12
13	---	---	8.80 B	11.8	25.0	4.25	0.950	2.32	0.841	4.94	---	---	13
14	---	---	8.33 B	11.3	25.7	4.38	0.818	2.02	0.803	5.23	---	---	14
15	---	---	9.34 B	8.85	26.8	4.27	0.596	1.82	0.593	5.44	---	---	15
16	---	---	12.1 B	9.15	27.8	4.10	0.841	1.37	0.631	5.70	---	---	16
17	---	---	7.21 B	12.8	28.3	3.82	1.51	1.10	0.725	5.85	---	---	17
18	---	---	7.78 B	15.8	28.4	1.46	2.27	1.08	0.738	5.83	---	---	18
19	---	---	9.80 B	16.8	28.5	2.71	2.12	1.16	0.724	5.74	---	---	19
20	---	---	15.0 B	17.2	28.1	3.43	2.05	1.10	0.721	5.74	---	---	20
21	---	---	14.0 B	17.2	26.8	3.23	2.45	1.03	0.746	5.78	---	---	21
22	---	---	13.2 B	18.1	25.4	3.08	2.82	0.922	0.660	5.76	---	---	22
23	---	---	12.3 B	19.1	24.1	3.00	3.45	0.926	0.586	5.68	---	---	23
24	---	---	11.5 B	19.1	22.9	2.93	3.80	0.976	0.750	5.74	---	---	24
25	---	---	10.7 B	19.5	22.0	2.94	3.80	0.947	3.09	5.81	---	---	25
26	---	---	10.1 B	20.3	21.4	2.70	4.04	0.895	4.42	5.83	---	---	26
27	---	---	9.88 B	20.4	21.0	2.28	3.54	0.855	4.70	5.80	---	---	27
28	---	---	10.1 B	20.2	20.5	1.83	3.65	0.848	4.81	5.88	---	---	28
29	---		10.4 B	20.1	20.1	1.70	3.17	0.778	4.87	5.72	---	---	29
30	---		10.8 B	20.2	19.6	1.84	2.78	0.748	4.84	5.62	---	---	30
31	---		10.5 A		19.1		2.55	0.898		5.77		---	31
TOTAL	---	---	285.038	486.21	726.3	170.45	82.277	84.884	41.813	161.30	---	---	TOTAL
MEAN	---	---	9.19	16.6	23.4	5.68	2.01	2.09	1.40	5.20	---	---	MEAN
MAX	---	---	15.0	20.4	28.5	17.8	4.04	4.45	4.70	5.84	---	---	MAX
MIN	---	---	0.589	8.85	19.1	1.46	0.596	0.898	0.585	3.42	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.08
MAXIMUM DAILY, 28.5 ON MAY 19
MINIMUM DAILY, 0.5898 ON MAR 2
MAXIMUM INSTANTANEOUS,
28.9 AT 10:14 CST ON MAY 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 00 N
LONG 100 45 37 W
DRAINAGE AREA, 51 700 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 380
FEB	---	AUG	5 610
MAR	24 800	SEP	3 620
APR	40 500	OCT	13 900
MAY	62 800	NOV	---
JUN	14 700	DEC	---

TOTAL DISCHARGE, 171 000 dam³

SOURIS RIVER NEAR WESTHOPE - STATION NO. 05NF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.258	1.13 B	0.8508	9.77	17.7	15.0	1.93	1.39	0.708	5.21	4.81	0.680	1
2	1.258	1.13 B	1.55 B	10.1	16.8	14.0	1.78	1.27	0.680	5.15	2.55	0.680	2
3	1.258	1.13 B	2.55 B	11.2	15.5	13.8	2.01	1.22	0.680	5.21	2.49	0.680	3
4	1.198	1.13 B	3.54 B	10.6	17.4	5.09	2.12	1.08	0.651	5.21	2.49	0.708	4
5	1.198	1.13 B	4.39 B	8.92	21.8	1.83	2.15	1.30	0.651	4.62	2.49	0.680	5
6	1.198	1.10 B	4.81 B	8.24	22.3	2.52	2.10	2.72	0.651	3.80	2.49	0.708	6
7	1.198	1.08 B	4.25 B	8.44	19.3	4.53	1.53	2.72	0.680	3.51	2.24	0.708	7
8	1.198	1.05 B	3.82 B	8.16	19.9	4.87	0.481	2.86	0.708	3.51	1.50	0.708	8
9	1.198	1.02 B	3.68 B	7.79	18.3	5.18	0.311	3.03	0.736	3.62	1.44	0.680	9
10	1.198	0.9638	3.11 B	7.65	17.2	5.83	0.283	1.64	0.680	4.02	1.42	0.680	10
11	1.198	0.9638	0.2558	8.38	17.5	5.83	0.623	1.08	0.708	5.27	1.42	0.680	11
12	1.198	0.9638	0.2278	8.47	18.1	5.86	0.934	0.983	0.736	5.38	1.42	0.708	12
13	1.188	0.9638	0.1138	9.00	18.2	3.57	1.08	0.765	0.736	5.55	0.850	0.708	13
14	1.188	0.9638	0.0578	12.5	19.3	2.83	1.19	0.185	0.680	5.72	0.765	0.708	14
15	1.198	0.9638	0.0718	13.7	19.4	2.94	1.13	0.651	0.623	5.80	0.708	0.708	15
16	1.198	0.9638	0.0858	10.6	20.5	2.89	1.25	0.821	0.680	5.83	0.510	0.736	16
17	1.198	0.9638	0.0858	11.3	20.4	2.86	1.39	0.878	0.793	5.89	0.481	0.736	17
18	1.198	0.9638	0.0858	13.3	19.6	3.79	1.27	0.850	0.481	5.89	0.396	0.736	18
19	1.168	0.9638	0.0858	13.7	18.9	4.50	1.18	0.736	0.538	5.86	0.340	0.736	19
20	1.138	0.9638	0.0858	14.2	18.4	4.81	1.05	0.765	0.623	5.89	0.311	0.736	20
21	1.108	0.9638	0.0858	14.9	17.8	5.27	0.963	0.878	0.823	5.92	0.425	0.736	21
22	1.080	0.8918	0.0858	14.7	17.3	5.55	0.906	0.878	1.56	5.86	0.736	0.736	22
23	1.058	0.8918	0.0858	16.4	16.0	5.86	0.850	0.850	4.73	5.89	0.736	0.736	23
24	1.028	1.13 B	0.1428	18.0	16.3	4.02	0.906	0.850	4.53	5.89	0.736	0.736	24
25	1.028	1.27 B	0.2838	18.3	16.5	3.11	0.793	0.765	4.70	5.95	0.708	0.736	25
26	1.028	1.42 B	1.13 B	18.2	18.3	2.84	0.765	0.736	4.53	5.95	0.708	0.736	26
27	1.028	0.9068	0.8918	17.7	18.4	3.28	0.708	0.736	4.53	5.95	0.708	0.736	27
28	1.068	0.7088	0.7088	17.5	18.5	2.63	0.793	0.736	4.56	5.80	0.623	0.765	28
29	1.108		1.70 B	17.1	18.7	2.21	0.736	0.736	4.79	5.83	0.623	0.765	29
30	1.138		2.49	17.6	18.5	1.83	1.19	0.736	5.18	5.97	0.453	0.765	30
31	1.138		5.47		18.1		1.25	0.708		5.88		0.736	31
TOTAL	35.84	28.872	46.877	376.83	574.5	149.83	36.862	35.543	53.158	165.41	37.747	22.267	TOTAL
MEAN	1.15	1.03	1.51	12.6	18.5	4.99	1.15	1.15	1.77	5.34	1.26	0.718	MEAN
MAX	1.25	1.42	5.47	18.3	22.3	15.0	2.15	3.03	5.18	5.97	4.81	0.765	MAX
MIN	1.02	0.708	0.057	7.65	15.5	1.83	0.283	0.195	0.481	3.51	0.311	0.680	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.28
MAXIMUM DAILY, 22.3 ON MAY 6
MINIMUM DAILY, 0.0578 ON MAR 14
MAXIMUM INSTANTANEOUS,
25.8 AT 19:15 CST ON MAY 5

SUMMARY FOR THE YEAR 1985

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 47 N
LONG 100 57 29 W
DRAINAGE AREA, 42 900 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 080	JUL	3 080
FEB	2 490	AUG	3 070
MAR	4 050	SEP	4 590
APR	32 500	OCT	14 300
MAY	49 600	NOV	3 260
JUN	12 900	DEC	1 930

TOTAL DISCHARGE, 135 000 dam³

SOUTH MOOSE LAKE AT MOOSE LAKE BARROWS CONTROL STRUCTURE - STATION NO. 05KK005

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.258	256.195	256.126	256.085	256.134	256.178	256.173	256.320	256.455	256.482	256.463	256.445	1
2	256.252	256.192	256.120	256.080	256.139	256.180	256.167	256.342	256.468	256.483	256.469	256.444	2
3	256.255	256.190	256.119	256.080	256.145	256.165	256.169	256.351	256.450	256.523	256.470	256.443	3
4	256.252	256.185	256.117	256.080	256.142	256.161	256.184	256.359	256.392	256.476	256.474	256.440	4
5	256.244	256.181	256.114	256.077	256.132	256.170	256.174	256.374	256.417	256.487	256.474	256.439	5
6	256.240	256.179	256.110	256.077	256.137	256.162	256.201	256.380	256.439	256.486	256.475	256.436	6
7	256.241	256.176	256.110	256.075	256.144	256.158	256.207	256.382	256.429	256.455	256.483	256.429	7
8	256.238	256.171	256.110	256.075	256.144	256.161	256.206	256.382	256.435	256.457	256.482	256.433	8
9	256.236	256.168	256.114	256.077	256.141	256.159	256.205	256.348	256.465	256.528	256.479	256.433	9
10	256.233	256.163	256.111	256.070	256.168	256.152	256.205	256.393	256.441	256.426	256.476	256.431	10
11	256.233	256.162	256.109	256.077	256.157	256.171	256.201	256.416	256.435	256.444	256.470	256.427	11
12	256.230	256.162	256.106	256.080	256.162	256.184	256.202	256.424	256.417	256.503	256.473	256.425	12
13	256.232	256.161	256.105	256.088	256.165	256.172	256.210	256.415	256.452	256.447	256.471	256.424	13
14	256.228	256.159	256.106	256.088	256.154	256.181	256.214	256.425	256.453	256.447	256.473	256.423	14
15	256.225	256.153	256.105	256.087	256.174	256.151	---	256.434	256.466	256.460	256.472	256.418	15
16	256.225	256.154	256.104	256.088	256.162	256.161	---	256.996	256.475	256.457	256.472	256.418	16
17	256.218	256.152	256.104	256.088	256.169	256.165	---	256.437	256.481	256.458	256.467	256.414	17
18	256.220	256.150	256.088	256.086	256.176	256.163	---	256.453	256.486	256.446	256.465	256.412	18
19	256.218	256.148	256.084	256.086	256.178	256.168	---	256.432	256.480	256.439	256.465	256.408	19
20	256.215	256.145	256.085	256.083	256.176	256.176	---	256.396	256.482	256.439	256.465	256.405	20
21	256.211	256.144	256.094	256.090	256.179	256.181	---	256.421	256.483	256.434	256.467	256.405	21
22	256.211	256.139	256.093	256.087	256.168	256.171	---	256.422	256.490	256.420	256.465	256.403	22
23	256.208	256.136	256.080	256.093	256.168	256.170	---	256.448	256.483	256.444	256.461	256.398	23
24	256.208	256.132	256.080	256.109	256.168	256.175	---	256.457	256.482	256.440	256.463	256.396	24
25	256.205	256.133	256.089	256.113	256.173	256.182	---	256.378	256.459	256.439	256.459	256.393	25
26	256.205	256.131	256.089	256.111	256.177	256.185	---	256.424	256.510	256.425	256.458	256.393	26
27	256.204	256.131	256.088	256.108	256.178	256.186	---	256.444	256.504	256.447	256.458	256.391	27
28	256.702	256.130	256.085	256.116	256.171	256.171	256.308A	256.451	256.502	256.461	256.449	256.387	28
29	256.198		256.083	256.131	256.168	256.172	256.313	256.451	256.500	256.453	256.448	256.383	29
30	256.198		256.081	256.128	256.166	256.176	256.325	256.453	256.498	256.472	256.448	256.382	30
31	256.198		256.082		256.170		256.327	256.418		256.453		256.381	31
MEAN	256.224	256.158	256.101	256.091	256.160	256.171	---	256.407	256.464	256.456	256.467	256.415	MEAN
MAX	256.258	256.195	256.126	256.131	256.179	256.195	---	256.457	256.510	256.528	256.483	256.445	MAX
MIN	256.198	256.130	256.081	256.070	256.132	256.151	---	256.320	256.392	256.420	256.448	256.381	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 256.528 ON OCT 9
MINIMUM DAILY, 256.070 ON APR 10
MAXIMUM INSTANTANEOUS,
256.580 AT 13:07 CST ON OCT 9

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

REGULATED SINCE 1964

SOUTH SEAL RIVER ABOVE FOX LAKE - STATION NO. 05DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.2B	12.6B	11.1B	10.1 B	9.88B	---	212	237E	188E	99.1	64.4B	40.1B	1
2	15.9B	12.6B	11.1B	10.1 B	9.88B	---	209	238E	185E	97.2	62.8B	39.7B	2
3	15.8B	12.5B	11.1B	10.1 B	10.0 B	---	201	234E	183E	96.2	61.3B	39.3B	3
4	15.7B	12.4B	11.1B	10.1 B	10.0 B	---	192	231E	182E	95.1	59.9B	38.0B	4
5	15.6B	12.3B	11.1B	10.1 B	10.1 B	---	189	227E	181E	92.5	58.7B	38.7B	5
6	15.4B	12.2B	11.1B	10.1 B	10.1 B	---	195	224E	180E	92.9	57.5B	38.3B	6
7	15.4B	12.2B	11.0B	10.1 B	10.1 B	---	237	223E	150E	91.2	56.2B	38.0B	7
8	15.2B	12.1B	11.0B	9.98B	10.1 B	---	271	222E	141E	89.5	55.0B	37.8B	8
9	15.2B	12.1B	11.0B	9.98B	10.1 B	---	298	220E	135A	87.0	53.8B	37.4B	9
10	14.9B	12.1B	10.9B	9.98B	10.1 B	423A	314	219E	138A	86.1	52.8B	37.0B	10
11	14.8B	12.1B	10.8B	9.98B	10.2 B	405	323	217E	136	82.0	51.9B	36.9B	11
12	14.8B	12.1B	10.7B	9.98B	11.3 B	387	323	216E	135	82.8	51.1B	36.6B	12
13	14.6B	12.1B	10.6B	9.98B	12.1 B	372	321	216E	134	80.5	50.0B	36.2B	13
14	14.3B	12.1B	10.5B	9.98B	12.9 B	365	312	213E	133	79.9	49.2B	36.0B	14
15	14.2B	12.1B	10.5B	9.98B	13.8 B	351	298	210E	132	79.5	48.4B	35.7B	15
16	14.1B	12.0B	10.5B	9.98B	17.7 B	338	288	209E	130	78.5	47.5B	35.5B	16
17	14.1B	11.9B	10.4B	9.98B	25.4 B	329	282A	207E	128	77.6	46.9B	35.4B	17
18	14.0B	11.8B	10.4B	9.98B	33.6 B	320	278E	204E	126	76.0	46.0B	34.9B	18
19	13.9B	11.8B	10.4B	9.98B	46.0 B	309	274E	202E	126	74.9	45.7B	34.7B	19
20	13.7B	11.8B	10.3B	9.98B	---	302	270E	201E	123	75.0	45.0B	34.4B	20
21	13.5B	11.5B	10.2B	9.98B	---	289	266E	200E	121	74.2	44.5B	34.2B	21
22	13.4B	11.4B	10.2B	9.98B	---	271	263E	198E	119	73.0	44.0B	34.0B	22
23	13.3B	11.3B	10.2B	9.98B	---	266	259E	195E	117	72.9	43.6B	33.8B	23
24	13.2B	11.3B	10.2B	9.98B	---	257	258E	192E	115	73.2	43.1B	33.5B	24
25	13.2B	11.2B	10.2B	9.98B	---	248	253E	190E	111	70.1	42.6B	33.3B	25
26	13.2B	11.2B	10.2B	9.98B	---	241	251E	187E	107	69.9	42.1B	33.1B	26
27	13.1B	11.2B	10.1B	9.98B	---	235	248E	183E	105	70.5	41.7B	32.8B	27
28	13.1B	11.1B	10.1B	9.98B	---	228	245E	180E	104	69.9B	41.2B	32.6B	28
29	13.1B		10.1B	9.98B	---	226	243E	178E	103	68.8B	41.0B	32.4B	29
30	13.0B		10.1B	9.98B	---	221	240E	174E	102	67.4B	40.4B	32.1B	30
31	12.9B		10.1B		---		239E	171E		65.7B		32.0B	31
TOTAL	442.4	332.7	327.3	300.24	---	---	8 048	6 416	3 850	2 488.1	1 488.3	1 105.2	TOTAL
MEAN	14.3	11.9	10.6	10.0	---	---	260	207	132	80.3	49.6	35.7	MEAN
MAX	15.2	12.6	11.1	10.1	---	---	323	237	188	99.1	64.4	40.1	MAX
MIN	12.9	11.1	10.1	9.88	---	---	189	171	102	65.7	40.4	32.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 9.98B ON APR 8

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 08 35 N
LONG 98 13 40 W
DRAINAGE AREA, 13 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 200	JUL	695 000
FEB	28 700	AUG	554 000
MAR	28 300	SEP	341 000
APR	25 800	OCT	215 000
MAY	---	NOV	129 000
JUN	---	DEC	95 500

SOUTH TOBACCO CREEK NEAR MIAMI - STATION NO. 05OF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.58	1.51	0.088	0.052	0.020	0	0	---	---	1
2	---	---	0 B	1.13	0.871	0.085	0.051	0.021	0	0	---	---	2
3	---	---	0 B	1.43	0.484	0.085	0.048	0.022	0	0	---	---	3
4	---	---	0 B	0.887	0.523	0.072	0.100	0.008	0	0	---	---	4
5	---	---	0 B	0.738	18.9	0.070	0.085	0.032	0	0	---	---	5
6	---	---	0 B	0.650	5.08	0.075	0.073	0.020	0	0	---	---	6
7	---	---	0 B	0.651	2.32	0.082	0.087	0.003	0	0	---	---	7
8	---	---	0 B	0.526	1.25	0.082	0.085	0.001	0	0	---	---	8
9	---	---	0 B	0.425	1.24	0.082	0.080	0	0	0	---	---	9
10	---	---	0 B	0.385	1.11	0.085	0.090	0	0	0	---	---	10
11	---	---	0 B	0.373	0.713	0.101	0.188	0	0	0	---	---	11
12	---	---	0 B	0.381	0.580	0.103	0.184	0	0	0	---	---	12
13	---	---	0 B	0.247	0.463	0.103	0.212	0	0	0	---	---	13
14	---	---	0 B	0.184	0.394	0.102	0.191	0	0	0	---	---	14
15	---	---	0 B	0.198	0.340	0.112	0.155	0	0	0	---	---	15
16	---	---	0 B	0.211	0.298	0.124	0.138	0	0	0	---	---	16
17	---	---	0 B	0.383	0.267	0.113	0.135	0	0	0	---	---	17
18	---	---	0.001B	3.21	0.248	0.107	0.135	0	0	0	---	---	18
19	---	---	0.001B	5.26	0.227	0.101	0.118	0	0	0	---	---	19
20	---	---	0.001B	1.70	0.207	0.117	0.089	0	0	0	---	---	20
21	---	---	0.033B	0.713	0.183	0.115	0.150	0	0	0	---	---	21
22	---	---	7.75 B	0.524	0.165A	0.102	0.152	0	0	0	---	---	22
23	---	---	8.86 B	0.535	0.156E	0.089	0.183	0	0	0	---	---	23
24	---	---	5.43 B	0.469	0.145E	0.082	0.149	0	0	0	---	---	24
25	---	---	2.47 B	0.371	0.136E	0.075	0.089	0	0	0	---	---	25
26	---	---	3.07 B	0.548	0.128E	0.088	0.051	0	0	0	---	---	26
27	---	---	2.86 B	1.03	0.117E	0.086	0.056	0	0	0	---	---	27
28	---	---	6.96 B	1.08	0.107E	0.059	0.147	0	0	0	---	---	28
29	---		4.41 B	0.731	0.098A	0.051	0.145	0	0	0	---	---	29
30	---		3.89	1.68	0.091	0.050	0.100	0	0	0	---	---	30
31	---		2.63		0.091		0.048	0		0	---	---	31
TOTAL	---	---	48.186	28.501	37.242	2.856	3.475	0.128	0	0	---	---	TOTAL
MEAN	---	---	1.55	0.983	1.20	0.088	0.112	0.004	0	0	---	---	MEAN
MAX	---	---	8.86	5.26	18.9	0.124	0.212	0.032	0	0	---	---	MAX
MIN	---	---	0	0.184	0.091	0.050	0.048	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.495
MAXIMUM DAILY, 18.9 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
28.5 AT 04:08 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 50 N
LONG 98 14 55 W
DRAINAGE AREA, 72.0 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	300
FEB	---	AUG	11.1
MAR	4 180	SEP	0
APR	2 550	OCT	0
MAY	3 220	NOV	---
JUN	229	DEC	---

TOTAL DISCHARGE, 10 500 dam³

SOUTHERN INDIAN LAKE AT MISSI FALLS - STATION NO. 05EC005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.253	---	257.120E	257.154	257.245	258.103	258.329	258.310	258.316	258.211	257.963A	257.778	1
2	257.243	---	257.125E	257.149	257.250	258.157	258.344	258.311	258.317	258.217	257.948	257.770	2
3	257.229	---	257.128E	257.144	257.254	258.180	258.305	258.308	258.285	258.213	257.931	257.765	3
4	257.229	---	257.125E	257.152	257.266	258.194	258.319	258.298	258.274	258.183	257.926	257.787	4
5	257.225	---	257.125A	257.150	257.273	258.205	258.317	258.305	258.304	258.220	257.924	257.745	5
6	257.219	---	257.130	257.153	257.283	258.226	258.329	258.309	258.289	258.178	257.923	257.732	6
7	257.213	---	257.121	257.159	257.286	258.254	258.401	258.306	258.239	258.090	257.917	257.724	7
8	257.204	---	257.111	257.153	257.288	258.267	258.428	258.253	258.294	258.154	257.907	257.702	8
9	257.198	---	257.118	257.149	257.309	258.260	258.432	258.248	258.297	258.159	257.906	257.713	9
10	257.188	---	257.118	257.143	257.328	258.274	258.427	258.259	258.288	258.089	257.898	257.711	10
11	257.191	---	257.113	257.178	257.366	258.302	258.405	258.279	258.264	258.100E	257.889	257.712	11
12	257.188	---	257.114	257.198	257.405	258.299	258.399	258.261	258.273	258.115E	257.895	257.703	12
13	257.181	---	257.111	257.204	257.456	258.344	258.383	258.258	258.291	258.125E	257.885	257.705	13
14	257.184	---	257.115	257.203	257.481	258.361	258.365	258.277	258.291	258.138A	257.875	257.705	14
15	257.181	---	257.111	257.204	257.545	258.352	258.325	258.292	258.300	258.115	257.871	257.685	15
16	257.173	---	257.113	257.202	257.586	258.370	258.300	258.239	258.302	258.117	257.862	257.685	16
17	257.168	---	257.118	257.203	257.616	258.368	258.305	258.293	258.281	258.104	257.853	257.675	17
18	257.173	---	257.126	257.206	257.655	258.363	258.283	258.289	258.296	258.092	257.860	257.666	18
19	257.164	---	257.125	257.208	257.696	258.356	258.271	258.292	258.295	258.093	257.846	257.658	19
20	257.156	---	257.126	257.204	257.739	258.372	258.300	258.280	258.282	258.075	257.832	257.655	20
21	257.161	---	257.117	257.201	257.787	258.356	258.288	258.321	258.289	258.069	257.836	257.642	21
22	257.161A	---	257.136	257.205	257.831	258.314	258.274	258.324	258.284	258.063	257.832	257.645	22
23	257.150E	---	257.142	257.203	257.876	258.333	258.273	258.343	258.278	258.063	257.825	257.627	23
24	257.143E	---	257.139	257.203	257.911	258.336	258.287	258.302	258.262	258.061	257.818	257.631	24
25	257.140E	---	257.140	257.207	257.944	258.332	258.321	258.312	258.190	258.085E	257.811	257.622	25
26	257.138E	---	257.137	257.208	257.987	258.343	258.317	258.317	258.206	258.055E	257.812	257.638	26
27	257.136E	---	257.141	257.209	257.985	258.338	258.317	258.320	258.225	258.036E	257.786	257.609	27
28	257.135E	---	257.149	257.205	258.044	258.338	258.310	258.325	258.236	258.022E	257.795	257.611	28
29	257.132E		257.142	257.227	258.054	258.357	258.308	258.313	258.240	257.988E	257.793	257.611	29
30	257.131E		257.142	257.237	258.063	258.342	258.297	258.290	258.218	257.975E	257.784	257.600	30
31	257.130E		257.148		258.078		258.309	258.267		257.978E		257.606	31
MEAN	257.178	---	257.127	257.187	257.609	258.300	258.331	258.293	258.274	258.103	257.868	257.681	MEAN
MAX	257.253	---	257.148	257.237	258.078	258.372	258.432	258.343	258.317	258.220	257.963	257.778	MAX
MIN	257.130	---	257.111	257.143	257.245	258.103	258.268	258.239	258.190	257.975	257.784	257.600	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 258.432 ON JUL 9

MAXIMUM INSTANTANEOUS,
258.437 ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 18 47 N
LONG 98 08 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE AT SOUTH BAY - STATION NO. 05EC003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	257.041E	257.061	257.166	258.060	258.286	258.255	258.218	258.144	257.875	---	1
2	---	---	257.043E	257.060	257.165	258.084	258.285	258.247	258.185	258.139	257.864	---	2
3	---	---	257.047E	257.064	257.176	258.113	258.264	258.249	258.216	258.088	---	---	3
4	---	---	257.040E	257.059	257.200	258.123	258.277	258.247	258.280	258.110	---	---	4
5	---	---	257.032E	257.083	257.203	258.137	258.305	258.236	258.247	258.101	---	---	5
6	---	---	257.025A	257.067	257.208	258.144	258.388	258.236	258.218	258.078	---	---	6
7	---	---	257.020	257.067	257.218	258.178	258.372	258.236	258.235	258.088	---	---	7
8	---	---	257.028	257.068	257.228	258.158	258.368	258.255	258.234	258.102	---	---	8
9	---	---	257.023	257.065	257.248	258.197	258.370	258.248	258.193	258.040	---	---	9
10	---	---	257.032	257.075	257.288	258.184	258.371	258.225	258.195	258.059	---	---	10
11	---	---	257.031	257.105	257.283	258.208	258.358	258.201	258.198	258.079	---	---	11
12	---	---	257.031	257.121	257.340	258.286	258.342	258.197	258.203	258.003	---	---	12
13	---	---	257.044	257.120	257.376	258.271	258.331	258.212	258.188	258.044	---	---	13
14	---	---	257.037	257.116	257.427	258.274	258.307	258.205	258.188	258.020	---	---	14
15	---	---	257.047	257.117	257.483	258.294	258.298	258.208	258.182	258.000	---	257.588A	15
16	---	---	257.042	257.120	257.525	258.283	258.302	258.225	258.176	257.994	---	257.575	16
17	---	---	257.041	257.123	257.554	258.278	258.274	258.213	258.186	257.994	---	257.572	17
18	---	---	257.037	257.126	257.585	258.282	258.288	258.230	258.190	257.994	---	257.568	18
19	---	---	257.036	257.126	257.626	258.278	258.261	258.218	258.188	257.978	---	257.559	19
20	---	---	257.038	257.126	257.670	258.267	258.222	258.243	258.185	257.970	---	257.551	20
21	---	---	257.047	257.118	257.718	258.274	258.226	258.221	258.174	257.965	---	257.546	21
22	---	---	257.059	257.116	257.764	258.282	258.216	258.238	258.178	257.963	---	257.540	22
23	---	---	257.050	257.120	257.806	258.268	258.244	258.225	258.178	257.940	---	257.537	23
24	---	257.030A	257.050	257.123	257.840	258.251	258.252	258.227	258.176	257.930	---	257.537	24
25	---	257.038A	257.050	257.118	257.872	258.257	258.226	258.253	258.186	257.948	---	257.521	25
26	---	257.038A	257.057	257.127	257.910	258.283	258.259	258.235	258.178	257.924	---	257.514	26
27	---	257.038A	257.058	257.135	257.943	258.271	258.250	258.228	258.154	257.918	---	257.512	27
28	---	257.038A	257.059	257.143	257.988	258.282	258.258	258.221	258.139	257.907	---	257.506	28
29	---		257.063	257.158	257.997	258.284	258.263	258.231	258.136	257.898	---	257.488	29
30	---		257.068	257.188	258.018	258.282	258.267	258.219	258.135	257.871	---	257.499	30
31	---		257.069		258.042		258.257	258.231		257.898		257.488	31
MEAN	---	---	257.043	257.108	257.543	258.227	258.289	258.230	258.181	258.007	---	---	MEAN
MAX	---	---	257.069	257.188	258.042	258.294	258.388	258.255	258.280	258.144	---	---	MAX
MIN	---	---	257.020	257.069	257.166	258.060	258.216	258.187	258.135	257.871	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 258.388 ON JUL 6

MAXIMUM INSTANTANEOUS,
258.405 AT 06:00 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 51 N
LONG 99 01 11 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE NEAR OPACHUANAU LAKE - STATION NO. 05EC007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	97.177	97.069	97.043	97.084	97.187	98.023	98.233	98.189	98.192	98.160	97.848	97.692	1
2	97.175	97.073	97.050	97.089	97.192	98.039A	98.197	98.185	98.171	98.148	97.850	97.690	2
3	97.174	97.070	97.037	97.095	97.208	98.080	98.223	98.197	98.221	98.105	97.854	97.677	3
4	97.164	97.064	97.041	97.094	97.226	98.062	98.245	98.206	98.307	98.134	97.855	97.685	4
5	97.152	97.074	97.039	97.097	97.228	98.085	98.262	98.192	98.226	98.102	97.846	97.686	5
6	97.150	97.058	97.031	97.098	97.234	98.085	98.313	98.188	98.190	98.088	97.837	97.654	6
7	97.146	97.052	97.041	97.094	97.247	98.114	98.283	98.175	98.230	98.092	97.828	97.648	7
8	97.145	97.050	97.055	97.098	97.257	98.091	98.311	98.215	98.216	98.101	97.826	97.643	8
9	97.147	97.048	97.054	97.102	97.274	98.175	98.310	98.190	98.195	98.105	97.813	97.635	9
10	97.140	97.048	97.055	97.108	97.295	98.133	98.310	98.156	98.195	98.098	97.811	97.629	10
11	97.144	97.044	97.054	97.135	97.311	98.185	98.304	98.132	98.210	98.122	97.785	97.620	11
12	97.137	97.047	97.057	97.150	97.366	98.229	98.285	98.144	98.211	98.057	97.792	97.612	12
13	97.144	97.041	97.064	97.150	97.385	98.210	98.270	98.180	98.192	98.110	97.789	97.610	13
14	97.139	97.039	97.058	97.150	97.453	98.201	98.245	98.165	98.195	98.045	97.789	97.614	14
15	97.128	97.038	97.068	97.151	97.506	98.237	98.228	98.158	98.186	98.045	97.785	97.612	15
16	97.129	97.042	97.059	97.158	97.537	98.220	98.237	98.161	98.173	97.995	97.780	97.604	16
17	97.120	97.043	97.061	97.163	97.586	98.223	98.214	98.146	98.195	98.002	97.783	97.599	17
18	97.112	97.038	97.057	97.163	97.605	98.230	98.215	98.200	98.187	98.011	97.759	97.595	18
19	97.114	97.036	97.054	97.161	97.648	98.228	98.190	98.174	98.165	97.964	97.762	97.589	19
20	97.112	97.038	97.059	97.151	97.694	98.196	98.129	98.193	98.213	97.977	97.755	97.582	20
21	97.098	97.036	97.075	97.154	97.739	98.210	98.139	98.178	98.187	97.970	97.755	97.578	21
22	97.090	97.036	97.083	97.158	97.786	98.224	98.150	98.202	98.194	97.964	97.743	97.560	22
23	97.088	97.039	97.073	97.163	97.823	98.188	98.198	98.181	98.189	97.949	97.739	97.574	23
24	97.090	97.047	97.080	97.156	97.857	98.175	98.208	98.196	98.199	97.939	97.742	97.568	24
25	97.077	97.053	97.083	97.158	97.888	98.184	98.158	98.231	98.248	97.899	97.723	97.554	25
26	97.072	97.047	97.090	97.164	97.927	98.189	98.199	98.203	98.238	97.925	97.731	97.548	26
27	97.086	97.043	97.086	97.168	97.947	98.195	98.198	98.204	98.189	97.927	97.725	97.545	27
28	97.077	97.048	97.085	97.173	97.954	98.215	98.215	98.199	98.157	97.910	97.704	97.543	28
29	97.068		97.095	97.184	97.977	98.188	98.208	98.222	98.146	97.861	97.696	97.535	29
30	97.057		97.089	97.192	97.993	98.226	98.227	98.193	98.144	97.869	97.688	97.536	30
31	97.064		97.096		98.011		98.194	98.202		97.872		97.525	31
MEAN	97.120	97.048	97.064	97.139	97.559	98.167	98.230	98.186	98.198	98.021	97.780	97.603	MEAN
MAX	97.177	97.074	97.096	97.192	98.011	98.237	98.313	98.231	98.307	98.160	97.860	97.692	MAX
MIN	97.057	97.036	97.031	97.084	97.187	98.023	98.129	98.132	98.144	97.861	97.688	97.525	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 97.680
MAXIMUM DAILY, 98.313 ON JUL 6
MINIMUM DAILY, 97.031 ON MAR 5
MAXIMUM INSTANTANEOUS,
98.384 AT 02:25 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 47 00 N
LONG 99 31 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE - STATION NO. 05EC001

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	257.126	257.015E	256.993	257.025	257.140	258.026	258.243	258.248	258.204	258.123	257.848	257.648	1
2	257.114	257.012E	256.998	257.032	257.134	258.052	258.258	258.245	258.184	258.111	257.842	257.652	2
3	257.112	257.010E	256.994	257.030	257.140	258.081	258.241	258.238	258.203	258.088	257.834	257.644	3
4	257.104	257.006E	256.982	257.031	257.160	258.098	258.250	258.237	258.281	258.090	257.827	257.628	4
5	257.099	257.002E	256.989	257.035	257.173	258.109	258.274	258.227	258.259	258.083	257.826	257.626	5
6	257.091	256.992A	256.989	257.035	257.181	258.120	258.359	258.224	258.207	258.067	257.813	257.610	6
7	257.085	256.995	256.991	257.036	257.188	258.148	258.360	258.225	258.224	258.079	257.802	257.586A	7
8	257.083	256.995	256.999	257.039	257.198	258.142	258.362	258.238	258.216	258.075	257.789	257.601E	8
9	257.084	256.995	257.002	257.033	257.212	258.172	258.362	258.235	258.176	258.023	257.790	257.603	9
10	257.083	256.995	257.003	257.034	257.236	258.168	258.361	258.210	258.178	258.041	257.783	257.592	10
11	257.086	256.993	257.002	257.078	257.256	258.188	258.353	258.183	258.178	258.047	257.773	257.590	11
12	257.085	256.994	257.000	257.088	257.303	258.268	258.334	258.187	258.189	257.995	257.773	257.581	12
13	257.081	256.992	257.004	257.083	257.344	258.247	258.321	258.189	258.178	258.017	257.769	257.566A	13
14	257.080	256.985	257.005	257.089	257.387	258.285	258.300	258.186	258.178	257.995	257.761	257.570E	14
15	257.074	256.986	257.010	257.084	257.448	258.283	258.282	258.195	258.171	257.985	257.760	257.571	15
16	257.074	256.983	257.009	257.086	257.487	258.277	258.289	258.209	258.165	257.972	257.760	257.561	16
17	257.069	256.985	257.008	257.091	257.528	258.271	258.284	258.197	258.173	257.972	257.736	257.557	17
18	257.053	256.982	257.003	257.085	257.558	258.274	258.245	258.215	258.171	257.969	257.731	257.553	18
19	257.051	256.980	257.006	257.095	257.596	258.275	258.241	258.207	258.161	257.949	257.728	257.543	19
20	257.052	256.977	257.007	257.096	257.650	258.281	258.201	258.231	258.169	257.949	257.716	257.542	20
21	257.049	256.981	257.008	257.082	257.690	258.263	258.214	258.213	258.163	257.937	257.715	257.531	21
22	257.038	256.978	257.024	257.088	257.735	258.264	258.184	258.229	258.163	257.926	257.710	257.528A	22
23	257.023A	256.980	257.017	257.090	257.780	258.263	258.223	258.218	258.165	257.915	257.701	257.518	23
24	257.025E	256.983	257.016	257.092	257.816	258.228	258.230	258.217	258.160	257.908	257.698	257.523	24
25	257.023E	256.987	257.017	257.089	257.842	258.239	258.211	258.238	258.166	257.911	257.692	257.514A	25
26	257.023E	256.990	257.020	257.094	257.881	258.238	258.240	258.220	258.151	257.893	257.685	257.508E	26
27	257.022E	256.990	257.027	257.107	257.912	258.239	258.252	258.217	258.133	257.885	257.686	257.500A	27
28	257.020E	256.992	257.036	257.107	257.934	258.238	258.247	258.210	258.119	257.892	257.673	257.494A	28
29	257.020E		257.040	257.123	257.957	258.255	258.245	258.225	258.115	257.866	257.656	257.486A	29
30	257.019E		257.036	257.135	257.979	258.239	258.251	258.202	258.118	257.846	257.648	257.481E	30
31	257.019E		257.033		258.004		258.246	258.221		257.861		257.478E	31
MEAN	257.083	256.991	257.009	257.075	257.511	258.206	258.273	258.217	258.177	257.983	257.751	257.561	MEAN
MAX	257.126	257.015	257.040	257.135	258.004	258.283	258.362	258.248	258.261	258.123	257.848	257.652	MAX
MIN	257.019	256.977	256.989	257.025	257.134	258.026	258.194	258.183	258.115	257.846	257.648	257.478	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MEAN, 257.655
MAXIMUM DAILY, 258.362 ON JUL 8
MINIMUM DAILY, 256.977 ON FEB 20
MAXIMUM INSTANTANEOUS,
258.376 AT 07:10 CST ON JUL 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 44 N
LONG 98 56 28 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

SPLIT LAKE AT SPLIT LAKE - STATION NO. 05UF003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	188.032	188.107	187.812	187.201	187.566	188.438	---	---	---	---	187.288	187.868	1
2	188.024	188.087	187.710	187.235	187.596	188.433	---	---	---	---	187.300	187.874	2
3	188.010	188.114	187.662	187.189	187.622	188.422	---	---	---	---	187.298	187.882	3
4	187.995	188.098	187.628	187.168	187.673	188.403	---	---	---	---	187.302	187.865	4
5	187.981	188.031	187.606	187.132	187.716	188.403	---	---	---	---	187.408	187.850	5
6	187.987	187.988	187.601	187.109	187.765	188.394	---	---	---	---	187.407	187.887	6
7	187.968	187.958	187.632	187.084	187.807	188.385	---	---	---	187.145	187.361	187.861	7
8	188.008	187.940	187.662	187.044	187.879	188.380	---	---	---	187.138	187.379	187.831	8
9	188.057	187.925	187.720	187.014	187.939	188.326	---	---	---	187.165	187.440	187.832	9
10	188.066	187.932	187.760	186.986	188.004	188.330	---	---	---	187.138	187.473	187.817	10
11	188.064	187.926	187.772	186.900	188.085	188.334	---	---	---	187.168	187.488	187.811	11
12	188.045	187.934	187.780	186.820	188.181	188.358	---	---	---	187.135	187.428	187.813	12
13	188.025	187.923	187.688	186.810	188.219	188.368	---	---	---	187.088	187.453	187.865	13
14	188.041	187.943	187.643	186.953	188.293	188.402	---	---	---	187.130	187.461	187.887	14
15	188.078	187.955	187.597	186.983	188.423	188.381	---	---	---	187.111	187.430	187.944	15
16	188.082	187.951	187.582	187.015	188.456	188.365	---	---	---	187.128	187.362	187.975	16
17	188.032	187.931	187.553	187.030	188.502	188.389	---	---	---	187.130	187.358	188.006	17
18	188.001	187.910	187.513	187.046	188.548	188.394	---	---	---	187.130	187.422	188.026	18
19	188.002	187.888	187.515	187.075	188.578	188.387	---	---	---	187.146	187.512	188.030	19
20	188.037	187.859	187.488	187.113	188.604	188.366	---	---	---	187.160	187.549	188.037	20
21	188.065	187.801	187.479	187.135	188.610	188.370	---	---	---	187.188	187.576	188.035	21
22	188.057	187.798	187.472	187.165	188.600	188.328	---	---	---	187.183	187.600	188.032	22
23	188.022	187.788	187.472	187.169	188.610	188.303	---	---	---	187.179	187.580	188.029	23
24	188.006	187.771	187.482	187.224	188.590	---	---	---	---	187.132	187.605	188.037	24
25	188.011	187.787	187.455	187.254	188.568	---	---	---	---	187.088	187.630	188.014	25
26	188.015	187.827	187.447	187.306	188.500	---	---	---	---	187.123	187.645	188.014	26
27	18 .030	187.849	187.420	187.359	188.563	---	---	---	---	187.139	187.722	188.086	27
28	188.042	187.827	187.288	187.411	188.554	---	---	---	---	187.158	187.769	188.101	28
29	188.055		187.245	187.460	188.467	---	---	---	---	187.196	187.769	188.107	29
30	188.071		187.205	187.510	188.467	---	---	---	---	187.221	187.784	188.117	30
31	188.084		187.284		188.439		---	---		187.244		188.111	31
MEAN	188.031	187.921	187.563	187.168	188.220	---	---	---	---	---	187.487	187.958	MEAN
MAX	188.084	188.114	187.812	187.518	188.610	---	---	---	---	---	187.784	188.117	MAX
MIN	187.967	187.771	187.286	186.810	187.566	---	---	---	---	---	187.288	187.811	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 188.610 ON MAY 21
MINIMUM DAILY, 186.810 ON APR 13
MAXIMUM INSTANTANEOUS,
188.645 ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 43 N
LONG 96 05 40 W

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

ST. MALO RESERVOIR NEAR ST. MALO - STATION NO. 05OE003

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.078	256.079	256.080	256.383	256.463	256.246	256.087	256.102	256.068	256.072	255.778	256.072	1
2	256.078	256.076	256.081	256.365	256.464	256.229	256.079	256.101	256.070	256.071	255.789	256.071	2
3	256.078	256.076	256.081	256.364	256.456	256.216	256.087	256.100	256.073	256.033	255.801	256.068	3
4	256.078	256.075	256.081	256.375	256.471	256.204	256.109	256.095	256.077	256.013	255.805	256.067	4
5	256.078	256.075	256.081	256.380	256.512	256.187	256.105	256.100	256.077	255.990	255.818	256.066	5
6	256.078	256.076	256.081	256.376	256.520	256.175	256.101	256.088	256.076	255.972	255.849	256.065	6
7	256.078	256.076	256.081	256.364	256.509	256.162	256.102	256.090	256.075	255.966	255.987	256.065	7
8	256.077	256.075	256.082	256.357	256.483	256.149	256.098A	256.085	256.075	255.972	256.055	256.062	8
9	256.075	256.076	256.083	256.357	256.469	256.136	256.095E	256.081	256.076	255.986	256.062	256.060	9
10	256.075	256.076	256.084	256.366	256.473	256.127	256.122E	256.080	256.079	256.006	256.076	256.060	10
11	256.075	256.075	256.083	256.384	256.486	256.121	256.150E	256.081	256.080	256.027	256.080	256.061	11
12	256.071	256.075	256.084	256.386	256.506	256.109	256.158E	256.081	256.080	256.041	256.080	256.061	12
13	256.072	256.076	256.084	256.378	256.484	256.103	256.160E	256.073	256.081	256.049	256.081	256.061	13
14	256.071	256.076	256.085	256.361	256.452	256.104	256.158A	256.064	256.083	256.050	256.079	256.061	14
15	256.072	256.077	256.085	256.352	256.427	256.104	256.155	256.059	256.083	256.052	256.078	256.061	15
16	256.072	256.077	256.085	256.348	256.404	256.104	256.159	256.054	256.082	256.052	256.078	256.061	16
17	256.072	256.077	256.086	256.347	256.389	256.103	256.157	256.051	256.078	256.052	256.078	256.061	17
18	256.072	256.078	256.086	256.346	256.375	256.102	256.157	256.046	256.059	256.051	256.077	256.061	18
19	256.072	256.078	256.090	256.349	256.363	256.094	256.152	256.045	256.051	256.048	256.076	256.061	19
20	256.072	256.078	256.091	256.355	256.352	256.094	256.154	256.071	256.043	256.044	256.077	256.061	20
21	256.073	256.079	256.094	256.353	256.344	256.096	256.151	256.060	256.037	256.038	256.076	256.062	21
22	256.074	256.079	256.101	256.340	256.332	256.092	256.153	256.052	256.035	256.031	256.075	256.062	22
23	256.075	256.079	256.111	256.331	256.321	256.093	256.150	256.051	256.035	256.023	256.076	256.061	23
24	256.074	256.079	256.122	256.320	256.313	256.094	256.147	256.049	256.033	256.010	256.075	256.061	24
25	256.074	256.078	256.127	256.309	256.303	256.092	256.141	256.045	256.030	255.993	256.074	256.061	25
26	256.074	256.079	256.126	256.317	256.296	256.088	256.141	256.045	256.025	255.988	256.074	256.062	26
27	256.074	256.079	256.139	256.345	256.291	256.089	256.155	256.044	256.025	255.940	256.074	256.062	27
28	256.074	256.080	256.180	256.383	256.285	256.091	256.134	256.052	256.050	255.903	256.074	256.063	28
29	256.075		256.319	256.400	256.282	256.088	256.123	256.061	256.057	255.858	256.073	256.054	29
30	256.076		256.407	256.398	256.270	256.087	256.120	256.064	256.038	255.808	256.073	256.085	30
31	256.076		256.411		256.265		256.116	256.064		255.769		256.085	31
MEAN	256.075	256.077	256.123	256.360	256.398	256.126	256.131	256.068	256.062	255.986	256.010	256.063	MEAN
MAX	256.078	256.080	256.411	256.400	256.520	256.246	256.160	256.102	256.083	256.072	256.081	256.072	MAX
MIN	256.071	256.075	256.080	256.309	256.265	256.087	256.079	256.044	256.025	255.769	255.778	256.050	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 256.126
MAXIMUM DAILY, 256.520 ON MAY 6
MINIMUM DAILY, 255.769 ON OCT 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 06 N
LONG 96 56 12 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1958

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM 1928 ADJUSTMENT

STEEPROCK RIVER NEAR MAFEKING - STATION NO. 05LF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.510B	1.56B	2.67	2.78	2.890	1.94	0.908	4.10	---	---	1
2	---	---	0.512B	1.33B	3.41	2.77	2.890	1.93	0.912	3.59	---	---	2
3	---	---	0.600B	1.18B	4.29	2.72	2.700	1.83	0.956	3.23	---	---	3
4	---	---	0.590B	1.39B	7.89	2.64	3.110	1.83	0.974	3.09	---	---	4
5	---	---	0.590B	1.63B	7.17	4.16	3.480	1.85	1.05	2.89	---	---	5
6	---	---	0.590B	1.92B	6.18	5.49	3.84E	1.53	0.996	2.83	---	---	6
7	---	---	0.590B	2.20B	8.27	5.04	3.63E	1.99	0.927	2.90	---	---	7
8	---	---	0.590B	2.42B	8.40	4.60	3.52E	1.90	0.907	2.70	---	---	8
9	---	---	0.590B	2.54B	8.96	3.76	3.20E	2.03	0.886	2.43	---	---	9
10	---	---	0.590B	2.67B	8.83	3.84	2.91E	2.03	0.878	2.40	---	---	10
11	---	---	0.580B	3.04E	8.70	3.89	2.07E	1.80	0.860	2.31	---	---	11
12	---	---	0.560B	3.42E	9.28	4.38	3.04E	1.60	1.05	3.04	---	---	12
13	---	---	0.590B	3.20E	9.38	4.09	3.33E	1.56	1.04	2.98	---	---	13
14	---	---	0.612B	3.00E	8.53	3.84	3.17E	1.51	0.984	2.91	---	---	14
15	---	---	0.673B	1.83E	10.5	2.54	2.90E	1.46	0.925	2.84	---	---	15
16	---	---	0.660B	1.63E	8.00	3.63	2.76A	1.39	0.918	2.78	---	---	16
17	---	---	0.627B	1.87E	7.63	3.43	2.80A	1.32	0.911	2.70	---	---	17
18	---	---	0.627B	2.12E	6.79	3.39	2.56	1.27	0.904	2.62	---	---	18
19	---	---	0.627B	2.38E	6.35	3.26	2.39	1.22	0.896	2.49	---	---	19
20	---	---	0.627B	2.07E	6.18	3.56	2.33	1.15	0.887	2.35	---	---	20
21	---	---	0.627B	2.86A	5.62	3.27	2.26A	1.06	0.885	2.26	---	---	21
22	---	---	0.627B	3.63	5.43	3.28	2.17E	1.03	0.830	2.18	---	---	22
23	---	---	0.627B	5.85	4.85	3.30	2.08E	0.950	0.820	2.13	---	---	23
24	---	---	0.627B	6.44	4.50	3.26	2.02E	1.01	0.805	2.05	---	---	24
25	---	---	0.627B	6.28	4.17	3.31	1.94E	0.992	1.02	2.01	---	---	25
26	---	---	0.635B	6.01	3.78	3.33	1.88E	0.935	12.6	1.93	---	---	26
27	---	---	0.668B	6.26	3.52	3.16	1.70E	0.917	11.3	1.87	---	---	27
28	---	---	0.668B	6.20	3.32	3.11	1.71E	0.901	7.51	1.83	---	---	28
29	---		1.29 B	2.92	3.09	3.10	1.63E	0.897	5.98	1.75	---	---	29
30	---		1.63 B	3.78	2.88	3.10A	1.70E	0.900	4.81	1.640	---	---	30
31	---		2.04 B		2.77		1.68A	0.903		1.570		---	31
TOTAL	---	---	22.630	89.00	187.82	107.84	81.74	46.176	65.864	82.19	---	---	TOTAL
MEAN	---	---	0.730	2.97	6.06	3.59	2.64	1.49	2.20	2.65	---	---	MEAN
MAX	---	---	2.04	6.44	10.5	5.49	3.84	2.03	12.6	4.10	---	---	MAX
MIN	---	---	0.560	1.18	2.77	2.54	1.63	0.881	0.887	1.57	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO OCT

MEAN, 2.70
MAXIMUM DAILY, 12.6 ON SEP 26
MINIMUM DAILY, 0.560B ON MAR 11
MAXIMUM INSTANTANEOUS,
17.3 AT 16:17 CST ON SEP 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 03 40 N
LONG 101 06 45 W
DRAINAGE AREA, 301 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1958

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	7 060
FEB	---	AUG	3 990
MAR	1 960	SEP	5 690
APR	7 680	OCT	7 100
MAY	16 200	NOV	---
JUN	9 290	DEC	---

TOTAL DISCHARGE, 58 900 dam³

STEPHENFIELD RESERVOIR NEAR STEPHENFIELD - STATION NO. 05OF005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	295.511	295.347	295.448	296.223	295.960	295.713	295.697	295.760E	295.658	295.551	295.682	295.657	1
2	295.489	295.353	295.460	296.157	295.923	295.712	295.692	295.749E	295.655	295.556	295.658	295.653	2
3	295.490	295.359	295.452	296.097	295.899	295.711	295.692	295.749A	295.663	295.561	295.662	295.646	3
4	295.481	295.363	295.453	296.056	295.879	295.704	295.695	295.747A	295.661	295.571	295.670	295.635	4
5	295.468	295.365	295.454	296.015	295.956	295.700	295.700	295.739A	295.652	295.572	295.680	295.630	5
6	295.450	295.371	295.455	295.977	296.257	295.700	295.693	295.747A	295.651	295.578	295.684	295.620	6
7	295.439	295.373	295.453	295.948	296.209	295.697	295.690	295.736A	295.654	295.586	295.686	295.616	7
8	295.435	295.376	295.464	295.927	296.134	295.691	295.695	295.727A	295.650	295.584	295.700	295.603	8
9	295.427	295.380	295.472	295.905	296.091	295.693	295.693A	295.720	295.644	295.589	295.700	295.588	9
10	295.413	295.383	295.477	295.887	296.048	295.689	295.713A	295.716	295.640	295.598	295.699	295.585	10
11	295.404	295.390	295.483	295.866	296.000	295.688	295.752A	295.714	295.645	295.601	295.697	295.576	11
12	295.390	295.393	295.483	295.842	295.972	295.686	295.784A	295.714	295.640	295.605	295.693	295.562	12
13	295.381	295.397	295.487	295.827	295.941	295.677	295.803A	295.714	295.626	295.615	295.686	295.556	13
14	295.367	295.400	295.493	295.807	295.924	295.675	295.805A	295.712	295.616	295.616	295.683	295.552	14
15	295.357	295.403	295.500	295.786	295.893	295.693	295.787A	295.707	295.605	295.626	295.678	295.542	15
16	295.345	295.406	295.504	295.793	295.884	295.704	295.793A	295.697	295.598	295.637	295.675	295.532	16
17	295.339	295.411	295.515	295.800	295.846	295.704	295.800A	295.691	295.596	295.643	295.672	295.524	17
18	295.329	295.412	295.526	295.842	295.836	295.702	295.787A	295.694	295.592	295.650	295.683	295.516	18
19	295.320	295.416	295.554	296.065	295.827	295.701	295.788E	295.690	295.592	295.658	295.693	295.505	19
20	295.310	295.418	295.584	296.083	295.818	295.726	295.785A	295.688	295.578	295.664	295.693	295.503	20
21	295.299	295.424	295.635	296.004	295.801	295.725	295.785A	295.682	295.557	295.675	295.692	295.504	21
22	295.299	295.426	295.757	295.963	295.788	295.724	295.787A	295.683	295.562	295.676	295.688	295.505	22
23	295.303	295.428	296.048	295.942	295.780	295.754	295.788A	295.682	295.553	295.676	295.685	295.503	23
24	295.313	295.434	296.060	295.922	295.775	295.763	295.774A	295.679	295.541	295.677	295.685	295.505	24
25	295.317	295.436	296.078	295.888	295.769	295.765	295.765A	295.676	295.546	295.677	295.682	295.504	25
26	295.316	295.442	296.090	295.884	295.764	295.730	295.763E	295.671	295.549	295.680	295.679	295.503	26
27	295.321	295.440	296.119	295.875	295.758	295.725	295.769A	295.669	295.548	295.677	295.676	295.506	27
28	295.326	295.444	296.226	295.877	295.751	295.714	295.760A	295.668	295.541	295.675	295.673	295.507	28
29	295.330		296.407	295.883	295.745	295.704	295.754A	295.669	295.554	295.669	295.668	295.508	29
30	295.334		296.365	295.888	295.733	295.686	295.760A	295.665	295.557	295.667	295.681	295.512	30
31	295.337		296.377		295.723		295.760A	295.663		295.668		295.516	31
MEAN	295.378	295.400	295.702	295.935	295.932	295.709	295.757	295.704	295.605	295.626	295.682	295.554	MEAN
MAX	295.511	295.444	296.407	296.223	296.257	295.763	295.805	295.750	295.663	295.680	295.700	295.657	MAX
MIN	295.299	295.347	295.448	295.793	295.723	295.675	295.690	295.663	295.541	295.551	295.658	295.503	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 295.663
MAXIMUM DAILY, 296.407 ON MAR 29
MINIMUM DAILY, 295.299 ON JAN 21
MAXIMUM INSTANTANEOUS,
296.461 AT 12:56 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 37 N
LONG 98 16 49 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STONY CREEK NEAR GOODSMILL - STATION NO. 05DC010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.0010	0.567	0.080	0.015	0	0	0	0	---	---
2	---	---	0.0120	0.546	0.058	0.010	0	0	0	0	---	---
3	---	---	0.0200	0.717	0.055	0.003	0	0	0	0	---	---
4	---	---	0.0500	0.400	0.050	0	0	0	0	0	---	---
5	---	---	0.0930	0.302	0.090	0	0	0	0	0	---	---
6	---	---	0.0870	0.292	0.332	0	0	0	0	0	---	---
7	---	---	0.0300	0.245	0.150	0	0	0	0	0	---	---
8	---	---	0.0170	0.263	0.720	0	0	0	0	0	---	---
9	---	---	0.0030	0.170	2.65	0	0	0	0	0	---	---
10	---	---	0 0	0.150	1.78	0	0	0	0	0	---	---
11	---	---	0 0	0.140	1.42	0	0	0	0	0	---	---
12	---	---	0 0	0.130	1.78	0	0	0	0	0	---	---
13	---	---	0 0	0.1160	1.35	0	0	0	0	0	---	---
14	---	---	0.0200	0.0000	0.940	0	0	0	0	0	---	---
15	---	---	0.0580	0.0090	0.671	0	0	0	0	0	---	---
16	---	---	0.1200	0.1080	0.602	0	0	0	0	0	---	---
17	---	---	0.3050	0.000	0.394	0	0	0	0	0	---	---
18	---	---	0.3620	0.000	0.274	0	0	0	0	0	---	---
19	---	---	0.7070	0.110	0.207	0	0	0	0	0	---	---
20	---	---	1.22 0	0.100	0.155	0	0	0	0	0	---	---
21	---	---	1 25 0	0.090	0.133	0	0	0	0	0	---	---
22	---	---	1 16 0	0.081	0.103	0	0	0	0	0	---	---
23	---	---	0.6600	0.000	0.082	0	0	0	0	0	---	---
24	---	---	0.6580	0.075	0.071	0	0	0	0	0	---	---
25	---	---	0.8048	0.119	0.059	0	0	0	0	0	---	---
26	---	---	0.0290	0.110	0.052	0	0	0	0	0	---	---
27	---	---	0.7740	0.103	0.046	0	0	0	0	0	---	---
28	---	---	0.916	0.092	0.040	0	0	0	0	0	---	---
29	---		0.867	0.081	0.034	0	0	0	0	0	---	---
30	---		0.710	0.076	0.028	0	0	0	0	0	---	---
31	---		0.807		0.021		0		0	0	---	---
TOTAL	---	---	12.751	5.656	14.110	0.028	0	0	0	0	---	---
MEAN	---	---	0.411	0.102	0.455	0.001	0	0	0	0	---	---
MAX	---	---	1.25	0.567	2.65	0.015	0	0	0	0	---	---
MIN	---	---	0	0.075	0.021	0	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.132
MAXIMUM DAILY, 2.65 ON MAY 9
MINIMUM DAILY, 00 ON MAR 10
MAXIMUM INSTANTANEOUS,
2.69 AT 12:25 CST ON MAY 9

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 52 N
LONG 101 05 54 W
DRAINAGE AREA, 670 km²

0 - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1 100	SEP	0
APR	671	OCT	0
MAY	1 220	NOV	---
JUN	2.62	DEC	---

TOTAL DISCHARGE, 2 700 dam³

STURGEON CREEK AT ST. JAMES - STATION NO. 05MJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0.0020	50.4 0	61.9	0.030	0.292	1.03	0.115	0.000	---	---
2	---	---	0.0030	52.5	35.7	0.060	0.216	0.723	0.282	0.003	---	---
3	---	---	0.0030	39.6	24.3	0.053	0.001	0.642	0.369	0.053	---	---
4	---	---	0.0040	30.9	16.2	0.045	0.287	0.630	0.384	0.047	---	---
5	---	---	0.0040	22.6	9.58	0.052	0.305	0.630	0.200	0.043	---	---
6	---	---	0.0050	15.4	11.7	0.110	0.198	0.625	0.200	0.043	---	---
7	---	---	0.0060	11.9	14.8	0.061	0.251	0.570	0.205	0.037	---	---
8	---	---	0.0060	11.1	9.92	0.070	0.467	0.483	0.204	0.022	---	---
9	---	---	0.0070	8.26	5.30	0.066	0.413	0.480	0.200	0	---	---
10	---	---	0.0070	6.56	3.58	0.074	1.50	0.387	0.207	0.004	---	---
11	---	---	0.0080	4.25	2.77	0.084	7.21	0.332	0.200	0.021	---	---
12	---	---	0.0080	2.51	7.37	0.061	25.2	0.305	0.224	0.029	---	---
13	---	---	0.0090	1.38	17.5	0.075	25.1	0.291	0.187	0.032	---	---
14	---	---	0.0090	1.02	8.55	0.086	23.3	0.270	0.198	0.026	---	---
15	---	---	0.0100	1.00	3.37	0.159	20.1	0.230	0.230	0.019	---	---
16	---	---	0.0100	1.03	1.81	0.167	14.6	0.234	0.304	0.013	---	---
17	---	---	0.0110	0.990	0.991	0.102	10.5	0.211	0.210	0.006	---	---
18	---	---	0.0140	1.29	0.500	0.067	8.05	0.251	0.016	0	---	---
19	---	---	0.0060	2.00	0.317	0.267	6.29	0.199	0.130	0	---	---
20	---	---	0.0080	3.09	0.231	0.233	4.95	0.146	0.130	0	---	---
21	---	---	0.0220	2.93	0.100	0.312	4.05	0.121	0.107	0	---	---
22	---	---	0.0388	1.54	0.110	0.169	3.29	0.103	0.200	0	---	---
23	---	---	0.0498	1.10	0.101	0.130	2.13	0.100	0.169	0	---	---
24	---	---	0.0750	0.981	0.088	0.108	1.95	0.103	0.162	0	---	---
25	---	---	0.0418	0.880	0.084	0.568	1.07	0.176	0.274	0	---	---
26	---	---	0.0150	0.825	0.088	0.847	1.08	0.147	0.144	0	---	---
27	---	---	0.0410	0.815	0.097	0.800	0.547	0.153	0.116	0	---	---
28	---	---	0.0600	0.961	0.097	0.484	0.590	0.121	0.000	0	---	---
29	---		12.4 0	1 50	0.098	0.356	1.02	0.121	0.141	0	---	---
30	---		26.6 0	7.48	0.084	0.288	1.25	0.143	0.077	0	---	---
31	---		30.5 0		0.040		1.22	0.155		0.0364	---	---
TOTAL	---	---	70.570	205.922	215.070	5.670	169.399	10.384	6.267	0.587	---	---
MEAN	---	---	2.57	9.54	6.06	0.189	5.46	0.335	0.209	0.019	---	---
MAX	---	---	30.5	52.5	61.9	0.847	25.2	1.03	0.374	0.068	---	---
MIN	---	---	0.002	0.815	0.040	0.030	0.188	0.121	0.016	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.16
MAXIMUM DAILY, 52.5 ON APR 2
MINIMUM DAILY, 0 ON OCT 5
MAXIMUM INSTANTANEOUS,
65.4 AT 23:00 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 52 N
LONG 97 16 43 W
DRAINAGE AREA, 575 km²

A - MANUAL GAUGE
0 - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	14 000
FEB	---	AUG	887
MAR	6 800	SEP	541
APR	24 800	OCT	49.0
MAY	10 700	NOV	---
JUN	681	DEC	---

TOTAL DISCHARGE, 61 000 dam³

STURGEON CREEK NEAR PERIMETER HIGHWAY - STATION NO. 05MJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	40.0 B	30.6	0.116	0.082	0.169	0.041	0.051	---	---	1
2	---	---	0 B	40.3	29.2	0.122	0.066	0.101	0.045	0.045	---	---	2
3	---	---	0 B	31.6	20.1	0.116	0.063	0.074	0.046	0.046	---	---	3
4	---	---	0 B	25.1	11.7	0.111	0.066	0.078	0.042	0.048	---	---	4
5	---	---	0 B	18.7	7.81	0.101	0.065	0.066	0.040	0.044	---	---	5
6	---	---	0 B	13.1	10.6	0.165	0.033	0.072	0.040	0.047	---	---	6
7	---	---	0 B	10.2	11.6	0.150	0.124	0.065	0.038	0.044	---	---	7
8	---	---	0 B	9.26	7.16	0.162	0.135	0.061	0.038	0.042	---	---	8
9	---	---	0 B	7.21	3.92	0.152	0.100	0.038	0.038	0.047	---	---	9
10	---	---	0 B	5.03	2.66	0.135	0.110	0.038	0.037	0.048	---	---	10
11	---	---	0 B	3.79	1.88	0.135	13.0	0.035	0.035	0.040	---	---	11
12	---	---	0 B	2.10	7.83	0.087	36.6	0.037	0.031	0.043	---	---	12
13	---	---	0 B	1.81 A	13.6	0.085	26.1	0.060	0.029	0.052	---	---	13
14	---	---	0 B	1.60 A	6.56	0.063	21.2	0.035	0.032	0.048	---	---	14
15	---	---	0 B	0.937	2.95	0.098	17.4	0.027	0.033	0.034	---	---	15
16	---	---	0 B	0.863	1.58	0.081	11.6	0.030	0.038	0.030	---	---	16
17	---	---	0 B	0.831	1.00	0.068	8.18	0.027	0.042	0.038	---	---	17
18	---	---	0 B	0.816	0.680	0.068	5.60	0.027	0.040	0.039	---	---	18
19	---	---	0 B	1.66	0.516	0.078	4.03	0.027	0.039	0.034	---	---	19
20	---	---	0 B	3.30	0.392	0.060	3.23	0.026	0.039	0.034	---	---	20
21	---	---	0 B	2.35	0.306	0.060	2.67	0.023	0.041	0.035	---	---	21
22	---	---	0 B	1.29	0.247	0.050	1.72	0.027	0.043	0.033	---	---	22
23	---	---	0 B	0.803	0.206	0.046	0.803	0.036	0.044	0.032	---	---	23
24	---	---	0 B	0.809	0.183	0.100	0.645	0.066	0.045	0.032	---	---	24
25	---	---	0.0008	0.703	0.161	0.150	0.392	0.038	0.064	0.035	---	---	25
26	---	---	1.30 B	0.603	0.184	0.151	0.180	0.030	0.063	0.034	---	---	26
27	---	---	4.93 B	0.805	0.194	0.123	0.101	0.042	0.048	0.023	---	---	27
28	---	---	10.6 B	1.67	0.149	0.085	0.078	0.046	0.048	0.026	---	---	28
29	---		16.6 B	2.87	0.137	0.068	0.168	0.050	0.080	0.023	---	---	29
30	---		22.1 B	6.40	0.133	0.050	0.461	0.050	0.071	0.028	---	---	30
31	---		29.7 B		0.118		0.313	0.046		0.026A		---	31
TOTAL	---	---	83.510	241.601	179.236	3.266	144.369	1.878	1.312	1.188	---	---	TOTAL
MEAN	---	---	2.69	8.04	5.78	0.109	4.66	0.061	0.044	0.038	---	---	MEAN
MAX	---	---	29.7	40.3	30.6	0.165	36.6	0.169	0.083	0.052	---	---	MAX
MIN	---	---	0	0.703	0.118	0.046	0.033	0.026	0.029	0.023	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.76
MAXIMUM DAILY, 40.40 ON APR 1
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
44.70 AT 16:17 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 20 N
LONG 97 20 40 W
DRAINAGE AREA, 863 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	12 500
FEB	---	AUG	135
MAR	7 550	SEP	113
APR	20 800	OCT	103
MAY	15 500	NOV	---
JUN	281	DEC	---

TOTAL DISCHARGE, 57 100 dam³

SWAN (PENDING) LAKE NEAR SWAN LAKE - STATION NO. 05OB016

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.389	1.586	1.360	1.183	1.123	0.719	0.560	0.478	---	1
2	---	---	---	1.404	1.580	1.329	1.186	1.117	0.707	0.541	0.477	---	2
3	---	---	---	1.425	1.582	1.306	1.170	1.107	0.702	0.538	0.478A	---	3
4	---	---	---	1.456	1.595	1.283	1.189	1.106	0.686	0.534	---	---	4
5	---	---	---	1.476	1.572	1.287	1.184	1.101	0.672	0.528	---	---	5
6	---	---	---	1.484	1.585	1.279	1.175	1.086	0.662	0.528	---	---	6
7	---	---	---	1.500	1.603	1.266	1.176	1.082	0.651	0.524	---	---	7
8	---	---	---	1.507	1.599	1.260	1.182	1.072	0.639	0.520	---	---	8
9	---	---	---	1.511	1.603	1.247	1.183	1.057	0.632	0.518	---	---	9
10	---	---	---	1.514	1.603	1.230	1.187	1.043	0.622	0.517	---	---	10
11	---	---	---	1.507	1.590	1.222	1.188	1.031	0.613	0.508	---	---	11
12	---	---	---	1.497	1.577	1.186	1.200	1.026	0.600	0.505	---	---	12
13	---	---	0.5106A	1.487	1.576	1.183	1.189	1.016	0.592	0.503	---	---	13
14	---	---	0.511	1.481	1.569	1.172	1.183	0.996	0.585	0.500	---	---	14
15	---	---	0.510	1.482	1.566	1.137	1.181	0.976	0.580	0.498	---	---	15
16	---	---	0.513	1.481	1.561	1.158	1.183	0.950	0.578	0.486	---	---	16
17	---	---	0.514	1.476	1.563	1.152	1.189	0.946	0.574	0.486	---	---	17
18	---	---	0.517	1.469	1.543	1.161	1.184	0.932	0.568	0.493	---	---	18
19	---	---	0.517	1.502	1.533	1.136	1.180	0.913	0.564	0.490	---	---	19
20	---	---	0.516	1.516	1.526	1.122	1.176	0.888	0.561	0.486	---	---	20
21	---	---	0.519	1.534	1.513	1.140	1.174	0.872	0.558	0.490	---	---	21
22	---	---	0.548	1.551	1.501	1.135	1.168	0.861	0.549	0.485	---	---	22
23	---	---	0.610	1.561	1.483	1.138	1.160	0.851	0.543	0.482	---	---	23
24	---	---	0.731	1.561	1.469	1.143	1.146	0.837	0.540	0.482	---	---	24
25	---	---	0.853	1.569	1.456	1.147	1.144	0.816	0.557	0.484	---	---	25
26	---	---	0.946	1.561	1.443	1.161	1.140	0.800	0.545	0.484	---	---	26
27	---	---	1.016	1.557	1.423	1.166	1.146	0.785	0.542	0.483	---	---	27
28	---	---	1.082	1.553	1.416	1.163	1.151	0.774	0.539	0.480	---	---	28
29	---		1.166	1.559	1.403	1.160	1.150	0.761	0.543	0.480	---	---	29
30	---		1.257	1.560	1.382	1.158	1.137	0.763	0.543	0.484	---	---	30
31	---		1.337		1.361		1.127	0.733		0.480		---	31
MEAN	---	---	---	1.508	1.533	1.188	1.172	0.966	0.589	0.503	---	---	MEAN
MAX	---	---	---	1.580	1.603	1.360	1.200	1.123	0.719	0.541	---	---	MAX
MIN	---	---	---	1.389	1.361	1.128	1.127	0.733	0.539	0.480	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.603 ON MAY 7
MINIMUM DAILY, 0.478A ON NOV 3
MAXIMUM INSTANTANEOUS,
1.620 AT 16:40 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 30 N
LONG 98 54 00 W

A - MANUAL GAUGE

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SWAN LAKE NEAR MOYRA - STATION NO. 05LE007

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	259.608E	259.344	259.424	259.175	258.948	258.782	258.884	---	---	1
2	---	---	---	259.638E	259.357	259.416	259.185	258.880	258.771	258.884	---	---	2
3	---	---	---	259.669A	259.385	259.342	259.158	258.977A	258.726	258.732	---	---	3
4	---	---	---	259.695	259.377	259.361	259.132	258.973E	258.676	258.682	---	---	4
5	---	---	---	259.737	259.384	259.389	259.122	258.970E	258.709	258.700	---	---	5
6	---	---	---	259.788	259.395	259.351	259.103	258.958E	258.709	258.717	---	---	6
7	---	---	---	259.788	259.408	259.300	259.123	258.963E	258.707	258.681	---	---	7
8	---	---	---	259.825	259.411	259.351	259.131	258.958E	258.728	258.688	---	---	8
9	---	---	---	259.885	259.416	259.339	259.130	258.958E	258.728	258.716	---	---	9
10	---	---	---	259.904	259.447	259.303	259.127	258.952E	258.719	258.573	---	---	10
11	---	---	---	259.943	259.445	259.338	259.128	258.949E	258.709	258.857	---	---	11
12	---	---	---	259.983	259.445	259.227	259.148	258.945A	258.678	258.707	---	---	12
13	---	---	---	260.012	259.454	259.260	259.132	258.935	258.698	258.688	---	---	13
14	---	---	---	259.039	259.481	259.293	259.109	258.929	258.697	258.680	---	---	14
15	---	---	---	259.068	259.470	259.278	259.107	258.895	258.710	258.700	---	---	15
16	---	---	---	260.072	259.422	259.285	259.086	258.853	258.726	258.705	---	---	16
17	---	---	---	260.081	259.476	259.266	259.098	258.899	258.853	258.708	---	---	17
18	---	---	---	259.122	259.501	259.279	259.066	258.893	258.675	258.702	---	---	18
19	---	---	---	259.175	259.511	259.282	259.041	258.845	258.871	258.698	---	---	19
20	---	---	---	259.184	259.530	259.261	259.085	258.812	258.876	258.689	---	---	20
21	---	---	---	259.218	259.540	259.252	259.048	258.869	258.884	259.684	---	---	21
22	---	---	---	259.233	259.536	259.221	259.068	258.835	258.869	258.678	---	---	22
23	---	---	---	259.244	259.518	259.246	259.047	258.885	258.868	258.683	---	---	23
24	---	---	---	259.255	259.500	259.258	259.004	258.868	258.868	258.688	---	---	24
25	---	---	---	259.277	259.510	259.218	258.038	258.773	258.836	258.687	---	---	25
26	---	---	---	259.284	259.519	259.206	258.039	258.817	258.741	258.676	---	---	26
27	---	---	---	259.292	259.518	259.187	258.036	258.819	258.708	258.689	---	---	27
28	---	---	---	259.310	259.516	259.168	258.021	258.809	258.716	258.590	---	---	28
29	---		---	259.328	259.506	259.201	259.019	258.798	258.714	258.636	---	---	29
30	---		---	259.336	259.498	259.181	258.983	258.784	258.739	258.672	---	---	30
31	---		---		259.511		258.970	258.780		258.596		---	31
MEAN	---	---	---	259.032	259.455	259.295	259.084	258.889	258.709	258.678	---	---	MEAN
MAX	---	---	---	259.336	259.540	259.424	259.185	258.980	258.836	258.732	---	---	MAX
MIN	---	---	---	258.608	259.344	259.181	258.983	258.750	258.663	258.556	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MAXIMUM DAILY, 259.540 ON MAY 21

MAXIMUM INSTANTANEOUS,
259.587 AT 10:47 CST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 00 N
LONG 100 52 00 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1982 ADJ.)

DRAINAGE AREA,
10 000 km²

SWAN RIVER NEAR MINITONAS - STATION NO. 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5848	0.5548	0.5728	34.48	26.4	9.51	3.96	3.08	0.734	1.55	1.39 B	0.6858	1
2	0.5478	0.5998	0.5678	78.28	26.9	6.79	3.96	2.83	0.714	2.13	1.37 B	0.6748	2
3	0.5508	0.7408	0.5778	84.08	26.9	6.00	3.31	2.75	0.726	2.36	1.35 B	0.6798	3
4	0.5178	0.7628	0.5808	86.68	28.6	7.15	3.02	2.63	0.722	2.63	1.34 B	0.6628	4
5	0.5808	0.8038	0.6038	82.68	30.7	5.81	3.04	2.62	0.703	3.43	1.31 B	0.6868	5
6	0.6778	0.8328	0.5728	78.28	27.5	7.03	3.39	2.42	0.681	2.41	1.28 B	0.7288	6
7	0.6028	0.8398	0.5628	76.3	24.4	5.78	3.14	2.30	0.637	2.61	1.25 B	0.6738	7
8	0.6228	0.8018	0.5588	77.4	22.7	5.65	3.05	2.23	0.691	2.29	1.22 B	0.6908	8
9	0.6778	0.7718	0.5518	84.6	21.8	7.51	3.04A	2.27	0.650	2.07	1.20 B	0.7238	9
10	0.6018	0.7928	0.5848	107	21.3	9.09	4.78A	2.27	0.639	2.11	1.18 B	0.7278	10
11	0.5958	0.7628	0.5278	110	21.2	9.32	5.80	2.59	0.656	2.03	1.14 B	0.7258	11
12	1.03 B	0.7318	0.5258	95.8	21.8	8.97	5.87	2.90	0.763	1.97	1.11 B	0.7238	12
13	1.15 B	0.7228	0.5178	76.3	22.7	8.86	5.65	3.03	0.906	1.87	1.08 B	0.7138	13
14	1.24 B	0.7488	0.5188	64.4	23.2	10.7	5.15	3.04	0.763	1.80	1.05 B	0.7088	14
15	1.22 B	0.7848	0.5208	54.4	23.6	10.7	4.13	2.81	0.738	1.77	1.03 B	0.7398	15
16	1.14 B	0.7378	0.5088	46.2	23.6	10.8	10.5	2.51	0.690	1.83	1.00 B	0.7478	16
17	1.11 B	0.7178	0.4828	41.2	24.0	11.0	10.1	2.26	0.717	1.66	0.9808	0.7408	17
18	1.08 B	0.6768	0.4768	38.7	25.1	10.5	8.93	2.08	0.760	1.86	0.9508	0.7318	18
19	1.04 B	0.6558	0.4718	38.8	25.3	10.1	8.31	1.85	0.748	1.85	0.9308	0.7898	19
20	1.01 B	0.6388	0.4688	40.0	25.2	9.78	8.32	1.74	0.747	1.82	0.9018	0.8188	20
21	0.9758	0.6328	0.4728	38.3	24.5	8.80	7.88	1.58	0.810	1.79	0.8838	0.7838	21
22	0.9428	0.6768	0.4628	35.0	23.0	7.84	7.22	1.46	0.898	1.77	0.8568	0.7848	22
23	0.8138	0.6898	0.4488	34.7	21.6	6.83	6.67	1.33	0.795	1.72	0.8388	0.7818	23
24	0.7278	0.6238	0.4338	34.2	19.8	6.32	5.87	1.20	0.835	1.89	0.8128	0.7278	24
25	0.8858	0.5788	0.4578	33.8	17.7	14.6	5.01	1.12	0.955	1.84	0.8568	0.7008	25
26	0.8638	0.5638	0.4808	32.3	16.0	9.27	4.40	1.04	1.57	1.62	0.8748	0.6448	26
27	0.8478	0.8588	0.5308	30.8	14.8	8.58	3.98	0.984	1.72	1.81	0.9128	0.6038	27
28	0.8428	0.8698	0.5508	29.7	13.6	5.79	3.80	0.872	1.56	1.54	0.8868	0.6228	28
29	0.8158		0.8208	28.6	12.5	5.08	3.82	0.838	1.81	1.45	0.9258	0.6488	29
30	0.8208		1.12 B	28.7	11.8	4.83	3.44	0.788	1.37	1.41	0.9188	0.6428	30
31	0.8398		1.82 B		10.7		3.27	0.763		1.408		0.6348	31
TOTAL	27.678	19.727	18.218	1 728.6	661.2	254.69	167.85	82.236	26.088	58.78	31.824	23.810	TOTAL
MEAN	0.893	0.705	0.588	57.6	22.0	8.49	5.42	2.81	0.870	1.90	1.08	0.735	MEAN
MAX	1.24	0.839	1.82	110	30.7	14.6	10.5	3.96	1.72	2.81	1.39	0.885	MAX
MIN	0.515	0.556	0.433	28.6	10.7	4.83	3.02	0.763	0.626	1.40	0.812	0.603	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.49
MAXIMUM DAILY, 110 ON APR 11
MINIMUM DAILY, 0.4328 ON MAR 24
MAXIMUM INSTANTANEOUS,
113 AT 03:00 CST ON APR 11

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 47 N
LONG 101 03 37 W
DRAINAGE AREA, 4 230 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 380	JUL	14 500
FEB	1 700	AUG	6 380
MAR	1 570	SEP	2 250
APR	148 000	OCT	5 000
MAY	56 900	NOV	2 750
JUN	22 000	DEC	1 970

TOTAL DISCHARGE, 267 000 dam³

TAYLOR RIVER NEAR THOMPSON - STATION NO. 05TG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.378	0.350	0.2240	0.1598	4.24	18.9	8.51	23.1	5.36	2.91	2.05	0.8110	1
2	0.380	0.349	0.2208	0.1578	4.53	14.4	7.85	22.1	5.01	2.81	1.90	0.8089	2
3	0.379	0.360	0.2168	0.1568	5.25	13.6	7.49	20.7	4.81	2.73	1.71	0.8058	3
4	0.375	0.362	0.2148	0.1598	6.87	12.7	7.49	19.4	4.62	2.72	1.56	0.8029	4
5	0.369	0.358	0.2128	0.1648	8.26	12.0	7.89	18.4	4.62	2.65	1.63	0.8069	5
6	0.367	0.363	0.2088	0.1728	10.9	11.3	19.8	17.4	5.56	2.91	1.66	0.8038	6
7	0.362	0.363	0.2068	0.1828	11.9	10.7	29.7	16.9	5.44	3.02	1.58	0.8008	7
8	0.362	0.350	0.2028	0.1948	16.4	9.99	33.3	16.2	5.22	3.07	1.53	0.8078	8
9	0.362	0.347	0.2008	0.2128	15.8	9.38	31.7	15.3	4.91	2.80	1.28	0.8048	9
10	0.362	0.344	0.1998	0.2208	15.3	8.69	28.2	14.6	4.75	2.87	1.08	0.8018	10
11	0.362	0.341	0.1968	0.2458	15.2	8.78	25.0	13.7	4.67	2.86	0.927	0.8758	11
12	0.361	0.340	0.1938	0.2908	15.8	10.7	22.8	13.2	4.48	2.97	0.8902	0.8728	12
13	0.360	0.335	0.1908	0.3208	29.1	12.6	21.4	12.5	4.41	2.68	0.8278	0.8698	13
14	0.366	0.329	0.1888	0.3558	33.1	13.3	21.9	12.0	4.33	2.52	0.7648	0.8668	14
15	0.369	0.321	0.1848	0.4108	34.3	13.5	23.9	11.9	4.11	2.48	0.7358	0.8038	15
16	0.370	0.316	0.1828	0.5008	35.1	13.3	23.8	12.1	3.96	2.46	0.7018	0.8608	16
17	0.374	0.308	0.1808	0.6058	35.2	12.7	22.2	11.8	3.96	2.45	0.6808	0.8578	17
18	0.372	0.298	0.1778	0.6808	34.0	12.2	21.5	11.3	3.93	2.41	0.6688	0.8518	18
19	0.371	0.292	0.1748	0.8088	32.5	11.6	22.5	10.8	3.83	2.34	0.6588	0.8488	19
20	0.368	0.287	0.1718	0.8908	31.1	11.2	21.5	10.6	3.72	2.32	0.6508	0.8458	20
21	0.366	0.282	0.1698	1.06 E	29.6	11.0	20.3	10.1	3.59	2.25	0.6448	0.8428	21
22	0.365	0.273	0.1678	1.22 E	28.0	10.7	19.0	9.66	3.51	2.22	0.6388	0.8398	22
23	0.310	0.269	0.1648	1.40 E	26.6	10.4	18.0	9.30	3.47	2.18	0.6358	0.8368	23
24	0.352	0.260	0.1608	1.60 E	25.1	9.98	20.1	8.97	3.31	2.20	0.6328	0.8338	24
25	0.346	0.2638	0.1588	1.73 E	23.5	9.69	23.5	8.95	3.06	2.18	0.6298	0.8308	25
26	0.343	0.2458	0.1578	2.05 E	22.1	9.50	25.2	8.68	2.78	2.14	0.6268	0.8278	26
27	0.340	0.2368	0.1558	2.38 E	20.9	9.20	24.8	8.03	2.82	2.24	0.6238	0.8248	27
28	0.337	0.2308	0.1558	2.81 E	19.8	9.16	23.1	7.67	2.91	2.32	0.6208	0.8218	28
29	0.338		0.1558	3.87	18.3	9.28	21.7	7.36	2.82	2.10	0.6178	0.8188	29
30	0.358		0.1558	4.12	16.8	8.95	21.2	7.04	2.92	2.03	0.6148	0.8158	30
31	0.354		0.1558		15.8		22.7	6.77		2.08		0.8128	31
TOTAL	11.259	8.719	5.690	29.125	645.15	337.52	648.04	396.38	128.41	77.72	29.779	17.360	TOTAL
MEAN	0.363	0.311	0.184	0.971	20.8	11.3	20.9	12.8	4.28	2.51	0.993	0.560	MEAN
MAX	0.380	0.356	0.224	4.12	35.2	14.9	33.3	23.1	5.36	3.07	2.05	0.811	MAX
MIN	0.340	0.230	0.155	0.156	4.24	8.95	7.49	6.77	2.78	2.03	0.614	0.512	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.60
MAXIMUM DAILY, 35.2 ON MAY 17
MINIMUM DAILY, 0.1558 ON MAR 27
MAXIMUM INSTANTANEOUS,
35.3 ON MAY 16

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 29 20 N
LONG 98 11 10 W
DRAINAGE AREA, 883 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	973	JUL	55 000
FEB	753	AUG	34 200
MAR	492	SEP	11 100
APR	2 520	OCT	6 720
MAY	55 700	NOV	2 570
JUN	29 200	DEC	1 500

TOTAL DISCHARGE, 202 000 dam³

TEAKO CREEK NEAR DEAD CREEK NORTH OF PINAWA - STATION NO. 05PF067

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.048	0.020	0	0	0	0	0	0	0	1
2	0	0	0	0.018	0.015	0	0	0	0	0	0	0	2
3	0	0	0	0.018	0.009	0	0	0	0	0	0	0	3
4	0	0	0	0.017	0.007	0	0	0	0	0	0	0	4
5	0	0	0	0.013	0.007	0	0	0	0	0	0	0	5
6	0	0	0	0.011	0.006	0	0	0	0	0	0	0	6
7	0	0	0	0.013	0.005	0	0	0	0	0	0	0	7
8	0	0	0	0.013	0.004	0	0	0	0	0	0	0	8
9	0	0	0	0.008	0.003	0	0	0	0	0	0	0	9
10	0	0	0	0.005	0.003	0	0	0	0	0	0	0	10
11	0	0	0	0.003	0.004	0	0	0	0	0	0	0	11
12	0	0	0	0.002	0.006	0	0	0	0	0	0	0	12
13	0	0	0	0.002	0.006	0	0	0	0	0	0	0	13
14	0	0	0	0.002	0.006	0	0	0	0	0	0	0	14
15	0	0	0	0.003	0.006	0	0	0	0	0	0	0	15
16	0	0	0	0.004	0.003	0	0	0	0	0	0	0	16
17	0	0	0	0.003	0.002	0	0	0	0	0	0	0	17
18	0	0	0	0.003	0.002	0	0	0	0	0	0	0	18
19	0	0	0	0.007	0.002	0	0	0	0	0	0	0	19
20	0	0	0	0.010	0.001	0	0	0	0	0	0	0	20
21	0	0	0	0.006	0.001	0	0	0	0	0	0	0	21
22	0	0	0	0.005	0.001	0	0	0	0	0	0	0	22
23	0	0	0	0.007	0.001	0	0	0	0	0	0	0	23
24	0	0	0	0.007	0.001	0	0	0	0	0	0	0	24
25	0	0	0	0.006	0	0	0	0	0	0	0	0	25
26	0	0	0.001	0.037	0	0	0	0	0	0	0	0	26
27	0	0	0.006	0.057	0	0	0	0	0	0	0	0	27
28	0	0	0.029	0.062	0	0	0	0	0	0	0	0	28
29	0		0.050	0.037	0	0	0	0	0	0	0	0	29
30	0		0.066	0.022	0	0	0	0	0	0	0	0	30
31	0		0.072		0		0	0		0		0	31
TOTAL	0	0	0.226	0.450	0.126	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.007	0.015	0.004	0	0	0	0	0	0	0	MEAN
MAX	0	0	0.072	0.062	0.029	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0.002	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.002
MAXIMUM DAILY, 0.072 ON MAR 31
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.101 ON MAR 31

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 14 40 N
LONG 96 52 54 W
DRAINAGE AREA, 0.52 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	19.5	SEP	0
APR	38.5	OCT	0
MAY	10.0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 68.3 dam³

TOBACCO CREEK NEAR ROSEBANK - STATION NO. 05DF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	3.01	1.81	0.012	0	0	0	0	---	---
2	---	---	0 B	1.25	1.09	0.010	0	0	0	0	---	---
3	---	---	0 B	1.04	0.731	0.009	0	0	0	0	---	---
4	---	---	0 B	0.875	0.615	0.008	0.001	0	0	0	---	---
5	---	---	0 B	0.809	2.08	0.007	0	0	0	0	---	---
6	---	---	0 B	0.720	5.09	0.006	0	0	0	0	---	---
7	---	---	0 B	0.594	3.40	0.006	0	0	0	0	---	---
8	---	---	0 B	0.513	1.78	0.006	0	0	0	0	---	---
9	---	---	0 B	0.388	1.10	0.004	0	0	0	0	---	---
10	---	---	0 B	0.302	0.899	0.004	0.001	0	0	0	---	---
11	---	---	0 B	0.284	0.656	0.003	0.002	0	0	0	---	---
12	---	---	0 B	0.217	0.732	0.001	0	0	0	0	---	---
13	---	---	0 B	0.192	0.653	0	0	0	0	0	---	---
14	---	---	0 B	0.186	0.568	0	0	0	0	0	---	---
15	---	---	0 B	0.146	0.510	0.001	0.015	0	0	0	---	---
16	---	---	0 B	0.113	0.453	0.002	0.020	0	0	0	---	---
17	---	---	0 B	0.233	0.409	0	0.017	0	0	0	---	---
18	---	---	0 B	0.478	0.367	0	0.012	0	0	0	---	---
19	---	---	0 B	3.94	0.325	0	0.035	0	0	0	---	---
20	---	---	0 B	3.13	0.299	0.003	0.003	0	0	0	---	---
21	---	---	0.0508	1.33	0.237	0.007	0.001	0	0	0	---	---
22	---	---	2.50 B	0.750	0.306	0.018	0.002	0	0	0	---	---
23	---	---	5.00 B	0.537	0.158	0.033	0.008	0	0	0	---	---
24	---	---	7.65 B	0.807	0.130	0.019	0.003	0	0	0	---	---
25	---	---	4.83 B	0.492	0.094	0.013	0	0	0	0	---	---
26	---	---	3.66 B	0.487	0.071	0.007	0	0	0	0	---	---
27	---	---	3.31 B	0.624	0.065	0.006	0	0	0	0	---	---
28	---	---	3.13 B	0.655	0.058	0.003	0.002	0	0	0	---	---
29	---		4.04 B	0.735	0.029	0.002	0	0	0	0	---	---
30	---		3.76 B	0.689	0.023	0.002	0	0	0	0	---	---
31	---		3.65 B		0.017		0	0		0	---	---
TOTAL	---	---	40.630	24.984	24.953	0.173	0.083	0	0	0	---	---
MEAN	---	---	1.31	0.818	0.805	0.006	0.003	0	0	0	---	---
MAX	---	---	7.65	3.94	5.09	0.033	0.035	0	0	0	---	---
MIN	---	---	0	0.113	0.017	0	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.399
MAXIMUM DAILY, 7.650 ON MAR 25
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS
8.488 AT 15 45 CST ON MAR 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 00 N
LONG 98 09 45 W
DRAINAGE AREA, 108 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	8.04
FEB	---	AUG	0
MAR	3 010	SEP	0
APR	2 120	OCT	0
MAY	2 160	NOV	---
JUN	14.8	DEC	---

TOTAL DISCHARGE, 7 810 dam³

TOUROND CREEK NEAR TOUROND - STATION NO. 05DE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1988

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0 B	5.12	13.5	0.057	0.003	0.006	0	0.003	---	---
2	---	---	0 B	3.49	11.5	0.052	0.002	0.004	0	0.003	---	---
3	---	---	0 B	2.69	8.30	0.046	0.001	0.003	0	0.003	---	---
4	---	---	0 B	2.07	6.36	0.037	0.003	0.003	0	0.001	---	---
5	---	---	0 B	1.70	13.1	0.030	0.001	0.001	0	0.001	---	---
6	---	---	0 B	1.48	12.0	0.031	0	0	0	0.001	---	---
7	---	---	0 B	1.40	8.98	0.033	0	0	0	0.001	---	---
8	---	---	0 B	1.15	6.24	0.035	0	0	0	0.001	---	---
9	---	---	0 B	0.793	3.90	0.016	0	0	0	0.001	---	---
10	---	---	0 B	0.589	2.88	0.012	0.001	0	0	0.001	---	---
11	---	---	0 B	0.403	2.66	0.008	0.004	0	0	0.001	---	---
12	---	---	0 B	0.349	4.17	0.008	0.002	0	0	0.001	---	---
13	---	---	0 B	0.256	3.57	0.005	0.002	0	0	0.001	---	---
14	---	---	0 B	0.1828	2.40	0.004	0.002	0	0	0.001	---	---
15	---	---	0 B	0.1648	1.85	0.004	0.003	0	A 0	0.001	---	---
16	---	---	0 B	0.1588	1.17	0.004	0.002	0	0	0	---	---
17	---	---	0 B	0.150	0.768	0.004	0.003	0	0	0	---	---
18	---	---	0 B	0.135	0.478	0.004	0.007	0	0	0	---	---
19	---	---	0 B	0.293	0.338	0.003	0.035	0	0	0	---	---
20	---	---	0 B	0.810	0.285	0.004	0.021	0	0	0	---	---
21	---	---	0 B	0.702	0.211	0.004	0.013	0	0	0	---	---
22	---	---	0 B	0.469	0.172	0.003	0.007	0	0	0	---	---
23	---	---	0.0108	0.361	0.148	0.004	0.006	0	0	0	---	---
24	---	---	0.0308	0.363	0.130	0.008	0.005	0	0.003A	0	---	---
25	---	---	0.0508	0.346	0.115	0.009	0.003	0	0.006	0	---	---
26	---	---	0.1008	0.860	0.103	0.009	0.002	0	0.004	0	---	---
27	---	---	0.3008	3.48	0.090	0.007	0.006	0	0.002	0	---	---
28	---	---	0.8308	8.21	0.082	0.005	0.014	0	0.001	0	---	---
29	---		2.37 B	7.13	0.073	0.004	0.009	0	0.002	0	---	---
30	---		3.80 B	7.32	0.066	0.003	0.007	0	0.003	0	---	---
31	---		3.60 B		0.063		0.005	0		0	---	---
TOTAL	---	---	9.790	80.656	102.343	0.442	0.181	0.016	0.030	0.019	---	---
MEAN	---	---	0.313	1.69	3.30	0.015	0.006	0	0.001	0.001	---	---
MAX	---	---	3.60	7.32	13.5	0.057	0.035	0.006	0.006	0.003	---	---
MIN	---	---	0	0.138	0.063	0.003	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.909
MAXIMUM DAILY, 13.5 ON MAY 1
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
13.1 AT 15 12 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 98 58 50 W
DRAINAGE AREA, 198 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13.9
FEB	---	AUG	1.30
MAR	838	SEP	1.73
APR	4 270	OCT	1.64
MAY	8 830	NOV	---
JUN	36.2	DEC	---

TOTAL DISCHARGE, 14 100 dam³

TRURO CREEK NEAR ASSINIBOINE GOLF COURSE - STATION NO. 05MJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.03	1.10	0.007	0	0 E	0 E	0.008	---	---	1
2	---	---	0 B	0.777	0.817	0.008	0	0 E	0 E	0.014	---	---	2
3	---	---	0 B	0.567	0.801	0.010	0.027	0 E	0.004A	0.008	---	---	3
4	---	---	0 B	0.388	0.436	0.005	0.001	0 E	0.004	0.005	---	---	4
5	---	---	0 B	0.284	0.326	0.005	0	0 E	0	0.003	---	---	5
6	---	---	0 B	0.184	0.215	0.035	0	0 E	0	0.002	---	---	6
7	---	---	0 B	0.130	0.123	0.037	0	0 E	0 A	0.002	---	---	7
8	---	---	0 B	0.078	0.078	0.009	0	0 E	0 E	0.002	---	---	8
9	---	---	0 B	0.056	0.057	0.008	0	0 E	0 E	0.002	---	---	9
10	---	---	0 B	0.047	0.028	0.007	0.088	0.008E	0 A	0.002	---	---	10
11	---	---	0 B	0.037	0.040	0.007	0.264	0 E	0	0.001	---	---	11
12	---	---	0 B	0.022A	0.190	0.007	0	0 E	0	0	---	---	12
13	---	---	0 B	0.020E	0.058	0.005	0	0 E	0 E	0.001	---	---	13
14	---	---	0 B	0.019E	0.045	0.004	0	0 E	0 A	0.001	---	---	14
15	---	---	0 B	0.017A	0.043	0.015	0	0 E	0	0.001	---	---	15
16	---	---	0 B	0.009	0.029	0.018	0	0 E	0.010A	0.001	---	---	16
17	---	---	0 B	0.007	0.022	0.009	0.025	0 E	0.028	0.001	---	---	17
18	---	---	0 B	0.045	0.018	0.008	0.005	0 E	0.006	0	---	---	18
19	---	---	0 B	0.061	0.017	0.036	0	0 E	0.002	0.001	---	---	19
20	---	---	0 B	0.026	0.018	0.154	0	0 E	0.001	0	---	---	20
21	---	---	0 B	0.022	0.016	0.138	0	0 E	0.001	0	---	---	21
22	---	---	0.0265	0.018	0.008	0.012	0	0 E	0.004	0	---	---	22
23	---	---	0.0503	0.037	0.004	0.003	0	0 E	0.003	0	---	---	23
24	---	---	0.1005	0.025	0.008	0.002	0	0.005E	0.001	0	---	---	24
25	---	---	0.1968	0.032	0.008	0.003	0	0.004E	0.108	0	---	---	25
26	---	---	0.2928	0.123	0.008	0.074	0.014	0.004E	0.009	0	---	---	26
27	---	---	0.3898	0.047	0.008	0	0.034	0.003E	0.004	0	---	---	27
28	---	---	0.7948	0.239	0.008	0	0.023	0.003A	0.003	0	---	---	28
29	---		1.12	0.101	0.007	0	0.420	0 A	0.078	0	---	---	29
30	---		1.19	1.02	0.008	0	0.001	0 E	0.020	0.002E	---	---	30
31	---		1.21		0.008		0	0 E		0.005A		---	31
TOTAL	---	---	5.366	5.475	4.359	0.626	0.813	0.025	0.292	0.081	---	---	TOTAL
MEAN	---	---	0.173	0.183	0.141	0.021	0.029	0.001	0.010	0.002	---	---	MEAN
MAX	---	---	1.21	1.03	1.10	0.154	0.420	0.006	0.108	0.014	---	---	MAX
MIN	---	---	0	0.007	0.007	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.070
MAXIMUM DAILY, 1.21 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.46 AT 11:17 CST ON JUL 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 18 N
LONG 97 13 40 W
DRAINAGE AREA, 16.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	78 9
FEB	---	AUG	2 18
MAR	464	SEP	25 2
APR	473	OCT	8 27
MAY	377	NOV	---
JUN	84 1	DEC	---

TOTAL DISCHARGE, 1 480 dam³

TURTLE RIVER NEAR LAURIER - STATION NO. 05LJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2708	15.3 B	11.1	3.25E	1.04	1.23	0.184	1.00	---	---	1
2	---	---	0.2798	14.4 B	11.5	3.58E	0.928	1.06	0.181	0.910	---	---	2
3	---	---	0.2938	12.2 B	23.3	4.05E	0.858	0.892	0.181	1.37	---	---	3
4	---	---	0.3028	11.1 B	29.0	3.47E	0.836	0.852	0.176	1.47	---	---	4
5	---	---	0.2838	10.7 B	51.1	2.78E	1.07	0.792	0.183	1.30	---	---	5
6	---	---	0.2798	8.978	202	2.56E	1.50	0.770	0.202	1.17	---	---	6
7	---	---	0.2708	8.348	115	2.41E	1.33	0.826	0.191	1.06	---	---	7
8	---	---	0.2618	9.068	63.4	2.23E	1.07	0.814	0.159	0.988	---	---	8
9	---	---	0.2568	9.83	43.7	2.10E	0.856	0.748	0.161	0.949	---	---	9
10	---	---	0.2528	11.2	41.6	2.07E	0.823	0.751	0.165	0.905	---	---	10
11	---	---	0.2478	11.3	32.8	2.06A	1.23	0.826	0.177	0.911	---	---	11
12	---	---	0.2438	8.76	25.8	1.76A	1.88 A	0.636	0.207	0.948	---	---	12
13	---	---	0.2798	5.00B	20.4	1.66	3.10 E	0.602	0.368	0.890	---	---	13
14	---	---	0.3028	4.00B	16.9	1.56	2.50 E	0.578	0.365	0.811	---	---	14
15	---	---	0.3178	3.65B	15.7	1.51	2.14 E	0.652	0.281	0.887	---	---	15
16	---	---	0.3238	5.28	13.5	1.48	1.85 A	0.882	0.287	0.868	---	---	16
17	---	---	0.3548	8.37	12.0	1.38	1.38	0.515	0.420	0.835	---	---	17
18	---	---	0.4718	19.7	10.7	1.28	1.30	0.434	0.490	0.826	---	---	18
19	---	---	1.45 B	58.4 A	9.57	1.22	1.12	0.395	0.448	0.824	---	---	19
20	---	---	0.9258	51.8 E	8.54	1.27	1.04	0.305	0.435	0.778	---	---	20
21	---	---	0.9088	33.7 E	7.82	1.76	0.901	0.263	0.453	0.781	---	---	21
22	---	---	7.30 B	18.8 E	7.12	1.52	0.778	0.250	0.431	0.708	---	---	22
23	---	---	9.38 B	5.62E	6.54	1.28	0.710	0.235	0.442	0.691	---	---	23
24	---	---	9.48 B	5.58E	5.18	1.25	0.638	0.283	0.408	0.695	---	---	24
25	---	---	3.76 B	5.64E	5.74	1.11	0.586	0.426	1.03	0.687	---	---	25
26	---	---	2.18 B	5.48E	5.34	1.59	2.38	0.423	3.97	0.894	---	---	26
27	---	---	2.95 B	5.44E	4.81	2.73A	2.47	0.386	3.18	0.857	---	---	27
28	---	---	17.3 B	5.78A	4.37	2.10	1.78	0.312	2.40	0.854	---	---	28
29	---	---	27.9 B	6.76	4.05	1.44	1.27	0.264	1.67	0.847	---	---	29
30	---	---	24.7 B	10.0	3.98E	1.13	1.48	0.217	1.34	0.881B	---	---	30
31	---	---	21.6 B		3.56E		1.62	0.198		0.826B		---	31
TOTAL	---	---	135.474	406.12	817.08	59.57	42.836	17.178	20.471	27.103	---	---	TOTAL
MEAN	---	---	4.37	13.5	26.4	1.98	1.38	0.554	0.682	0.874	---	---	MEAN
MAX	---	---	27.9	58.4	202	4.05	3.10	1.23	3.97	1.47	---	---	MAX
MIN	---	---	0.243	3.85	3.55	1.11	0.586	0.198	0.181	0.826	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.23
MAXIMUM DAILY, 202 ON MAY 5
MINIMUM DAILY, 0.181 ON SEP 9
MAXIMUM INSTANTANEOUS,
241 AT 09:00 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 56 40 N
LONG 99 31 15 W
DRAINAGE AREA, 876 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 700
FEB	---	AUG	1 480
MAR	11 700	SEP	1 770
APR	35 100	OCT	2 340
MAY	70 800	NOV	---
JUN	5 150	DEC	---

TOTAL DISCHARGE, 132 000 dam³

TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR - STATION NO. 05MG016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	0	0.384	0.384	0.028	0.002	0	0	0	---	---
2	---	---	0.0029	0.304	0.349	0.025	0.002	0	0	0	---	---
3	---	---	0.0048	0.295	0.300	0.022	0.002	0	0	0	---	---
4	---	---	0.0188	0.262	0.342	0.017	0.002	0	0	0	---	---
5	---	---	0.0088	0.233	0.675	0.012	0.003	0	0	0	---	---
6	---	---	0.0028	0.218	1.78	0.008	0.002	0	0	0	---	---
7	---	---	0.0028	0.183	1.34	0.007	0.002	0	0	0	---	---
8	---	---	0.0018	0.173	1.05	0.004	0.002	0	0	0	---	---
9	---	---	0.0018	0.248	1.21	0.003A	0.001	0	0	0	---	---
10	---	---	0.0018	0.404	1.15	0.003E	0.002	0	0	0	---	---
11	---	---	0.0078	0.404	0.803	0.001E	0.003	0	0	0	---	---
12	---	---	0.0188	0.323	0.722	0.001E	0.002	0	0	0	---	---
13	---	---	0.0808	0.2438	0.598	0.001E	0.001	0	0	0	---	---
14	---	---	0.2988	0.1928	0.509	0.001E	0.001	0	0	0	---	---
15	---	---	0.4338	0.1768	0.485	0.040A	0.001	0	0	0	---	---
16	---	---	0.4508	0.2808	0.340	0.025	0.001	0	0	0	---	---
17	---	---	0.4158	0.338	0.252	0.008	0.001	0	0	0	---	---
18	---	---	0.3428	0.885	0.204	0.003	0	0	0	0	---	---
19	---	---	0.3308	1.06	0.173	0.008	0	0	0	0	---	---
20	---	---	0.1008	0.925	0.152	0.026	0.001	0	0	0	---	---
21	---	---	0.2248	1.34	0.152	0.010	0	0	0	0	---	---
22	---	---	0.6408	1.06	0.197	0.004	0	0	0	0	---	---
23	---	---	0.4588	0.773	0.216	0.002	0	0	0	0	---	---
24	---	---	0.3308	0.584	0.207	0.001	0	0	0	0	---	---
25	---	---	0.4178	0.473	0.161	0.002	0	0	0	0	---	---
26	---	---	0.3728	0.395	0.130	0.002	0	0	0	0	---	---
27	---	---	0.3168	0.380	0.083	0.002	0	0	0	0	---	---
28	---	---	0.379	0.329	0.053	0.003	0.002	0	0	0	---	---
29	---		0.607	0.285	0.045	0.002	0.004	0	0	0	---	---
30	---		0.488	0.384	0.040	0.002	0.001	0	0	0	---	---
31	---		0.457		0.034		0.001	0		0	---	---
TOTAL	---	---	7.072	13.306	14.287	0.274	0.039	0	0	0	---	---
MEAN	---	---	0.228	0.444	0.461	0.009	0.001	0	0	0	---	---
MAX	---	---	0.640	1.34	1.78	0.040	0.004	0	0	0	---	---
MIN	---	---	0	0.173	0.034	0.001	0	0	0	0	---	---

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.143
MAXIMUM DAILY, 1.78 ON MAY 6
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
1.88 AT 12:51 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 59 N
LONG 100 23 57 W
DRAINAGE AREA, 79.1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3.37
FEB	---	AUG	0
MAR	811	SEP	0
APR	1 150	OCT	0
MAY	1 230	NOV	---
JUN	23.7	DEC	---

TOTAL DISCHARGE, 3 020 dam³

UPPER GRANDVIEW RESERVOIR NEAR MERRIDALE - STATION NO. 05LJ011

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	623.820	623.801	623.755	623.822	624.715	625.425	624.639	624.139	623.392	623.971	624.544	624.310
2	623.817	623.801	623.752	623.849	624.724	625.401	624.602	624.108	---	624.051	624.535	624.310
3	623.807	623.801	623.749	623.877	624.736	625.386	624.578	624.081	623.456	624.115	624.526	624.301
4	623.804	623.801	623.746	623.888	624.767	625.352	624.547	624.051	623.459	624.185	624.520	624.291
5	623.801	623.798	623.743	623.929	624.813	625.331	624.554	624.020	623.450	624.237	624.520	624.285
6	623.889	623.798	623.743	623.965	624.840	625.316	624.544	623.996	623.447	624.273	624.517	624.276
7	623.886	623.798	623.740	624.011	624.858	625.297	624.529	623.981	623.450	624.316	624.508	624.270
8	623.874	623.798	623.743	624.054	624.901	625.264	624.514	623.953	623.446	624.346	624.508	624.264
9	623.865	623.795	623.749	624.102	624.950	625.242	624.493	623.932	623.441	624.358	624.496	624.261
10	623.859	623.795	623.746	624.154	625.020	625.227	624.480	623.901	623.444	624.392	624.486	624.255
11	623.852	623.795	623.746	624.221	625.117	625.194	624.471	623.880	623.447	624.419	624.480	624.249
12	623.840	623.795	623.743	624.270	625.270E	625.181	624.453	623.865	623.462	624.432	624.474	624.243
13	623.834	623.795	623.743	624.322	625.422E	625.145	624.441	623.852	623.459	624.450	624.462	624.233
14	623.828	623.792	623.746	624.362	625.575	625.111	624.432	623.846	623.458	624.468	624.459	624.227
15	623.822	623.792	623.743	624.389	625.675	625.081	624.419	623.831	623.456	624.480	624.453	624.221
16	623.813	623.792	623.740	624.416	625.761	625.050	624.410	623.810	623.468	624.490	624.447	624.215
17	623.807	623.792	623.740	624.444	625.770	625.017	624.401	623.788	623.490	624.486	624.441	624.212
18	623.807	623.792	623.743	624.477	625.761	624.988	624.388	623.761	623.493	624.505	624.435	624.206
19	623.807	623.792	623.743	624.508	625.748	624.959	624.380	623.734	623.496	624.523	624.435	624.200
20	623.804	623.788	623.740	624.526	625.727	624.938	624.385	623.721	623.499	624.541	624.429	624.194
21	623.804	623.788	623.737	624.541	625.703	624.810	624.346	623.694	623.505	624.557	624.416	624.188
22	623.804	623.788	623.740	624.554	625.678	624.883	624.325	623.676	623.520	624.572	624.401	624.185
23	623.804	623.788	623.743	624.586	625.680	624.852	624.264E	623.654	623.526	624.578	624.389	624.179
24	623.804	623.788	623.743	624.575	625.639	624.816	624.203E	623.624	623.526	---	624.383	624.173
25	623.810	623.776	623.752	624.584	625.611	624.794	624.142	623.615	623.529	---	624.371	624.169
26	623.807	623.764	623.755	624.605	625.587	624.779	624.142	623.581	623.587	---	624.358	624.163
27	623.804	623.761	623.755	624.627	625.559	624.755	624.163	623.557	623.667	---	624.352	624.157
28	623.804	623.758	623.758	624.651	625.532	624.721	624.188	623.526	623.740	---	624.340	624.151
29	623.804		623.764	624.663	625.505	624.686	624.200	623.496	623.813	624.554	624.331	624.145
30	623.801		623.770	624.691	625.480	624.666	624.185	623.466	623.892	624.550	624.319	624.142
31	623.801		623.792		625.459		624.163	623.441		624.569		624.136
MEAN	623.838	623.790	623.748	624.322	625.341	625.059	624.386	623.793	---	---	624.445	624.220
MAX	623.920	623.801	623.792	624.681	625.770	625.425	624.639	624.139	---	---	624.544	624.310
MIN	623.801	623.758	623.737	623.822	624.715	624.666	624.142	623.441	---	---	624.319	624.136

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 51 N
LONG 101 02 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VALLEY RIVER ABOVE GILBERT PLAINS DAM - STATION NO. 05LJ013

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	381.278	381.268E	381.258E	380.693E	---	---	380.903E	380.888	380.808	380.868	380.691E	381.398E	1
2	381.283E	381.268E	381.258E	380.676	380.328	380.308	380.698	380.888E	380.803E	380.858E	380.694E	381.398E	2
3	381.288	381.268E	381.258	---	380.331E	380.283E	380.698E	380.888E	380.798	380.848	380.698	381.398	3
4	381.288E	381.268	381.258E	379.948	380.334E	380.278	380.698	380.888	380.803E	380.845E	381.020E	381.398E	4
5	381.288E	381.268E	381.258E	---	380.338	380.268E	380.908E	380.888E	380.808	380.842E	381.143E	381.398E	5
6	381.288	381.268E	381.258	---	380.463E	380.298	380.918E	380.888	380.805E	380.838	381.265E	381.398E	6
7	381.293E	381.288	381.258E	379.158	380.588	380.248E	380.928	380.888E	380.802E	380.833E	381.388	381.398E	7
8	381.298	381.288E	381.258E	---	380.588E	380.238E	380.923E	380.888	380.798	380.828	381.388E	381.398E	8
9	381.298E	381.288E	381.258E	379.128	380.588	380.228	380.918	380.888E	380.783E	380.828E	381.388E	381.398E	9
10	381.298	381.288	381.258	---	380.604E	380.223	380.933E	380.888E	380.768	380.828	381.388E	381.398	10
11	381.298E	381.268E	381.258E	379.888	380.621E	380.228	380.948	380.888	380.723E	380.828E	381.388E	381.398E	11
12	381.298E	381.263E	381.263E	---	380.638	380.203E	380.948E	380.883E	380.678	380.828E	381.388	381.393E	12
13	381.298	381.258	381.261E	---	380.603E	380.178	380.948E	380.878	380.602E	380.828	381.388E	381.398E	13
14	381.298E	381.258E	381.268	379.858	380.568	380.172E	380.948	380.873E	380.525E	380.843E	381.388E	381.387E	14
15	381.298	381.258E	381.300E	---	380.543E	380.185E	380.948E	380.868	380.448	380.858	381.388E	381.384E	15
16	381.298E	381.258E	381.353E	379.728	380.518	380.198	380.948	380.858E	380.368	380.862E	381.388E	381.381E	16
17	381.288	381.258	381.408E	---	380.521E	380.538E	380.938E	380.862E	380.322E	380.868E	381.388	381.378	17
18	381.301E	381.258E	381.458	380.388	380.524E	380.918	380.928	380.858	380.275E	380.870E	381.388E	381.374E	18
19	381.306E	381.258E	381.442E	---	380.528	380.928E	380.925E	380.853E	380.228	380.874E	381.388E	381.370E	19
20	381.308	381.258	381.425E	---	380.533E	380.938	380.922E	380.848	380.428E	380.878	381.328E	381.366E	20
21	381.303E	381.258E	381.408	380.388	380.518	380.938E	380.918	380.848E	380.628E	380.878E	381.308	381.361E	21
22	381.298	381.258E	381.408E	---	380.503E	380.938E	380.908E	380.848	380.828	380.878	381.328E	381.357E	22
23	381.298E	381.258E	381.408E	380.378	380.488	380.938	380.898	380.845E	380.828E	380.878E	381.344E	381.353E	23
24	381.298	381.258	381.404	---	---	380.933E	380.893E	380.842E	380.828	380.878	381.362E	381.348	24
25	381.295E	381.258E	381.408E	380.438	---	380.928	380.888	380.838	380.838E	380.881E	381.380E	381.348E	25
26	381.292E	381.258E	381.408	---	---	380.928E	380.891E	380.828E	380.848	380.884E	381.398	381.348E	26
27	381.288	381.258	381.458E	---	---	380.928	380.894E	380.818	380.842E	380.888	381.398E	381.348E	27
28	381.282E	381.258E	381.508	380.348	---	380.922E	380.898	380.818E	380.835E	380.888E	381.398E	381.348E	28
29	381.275E		381.175E	---	---	380.915E	380.888E	380.818	380.828	380.888	381.398E	381.348E	29
30	381.268		380.842E	380.328	---	380.908	380.878	380.815E	380.848E	380.888E	381.398E	381.348E	30
31	381.268E		380.508		---		380.883E	380.812E		380.888		381.348	31
MEAN	381.292	381.262	381.287	---	---	---	380.915	380.851	380.691	380.850	381.304	381.376	MEAN
MAX	381.308	381.268	381.508	---	---	---	380.948	380.888	380.848	380.888	381.398	381.398	MAX
MIN	381.268	381.258	380.508	---	---	---	380.878	380.812	380.228	380.828	380.891	381.348	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - MANUAL
LOCATION - LAT 51 09 10 N
LONG 100 29 33 W
DATA CONTRIBUTED BY - MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1980

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VALLEY RIVER NEAR DAUPHIN - STATION NO 05LJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5128	101 B	10.8	7.16	2.84	2.05	0.582	0.581	---	---	1
2	---	---	0.5088	101 B	10.9	6.66	2.58	2.09	0.566	0.602	---	---	2
3	---	---	0.5228	93.2 B	11.9	6.11	2.45	2.09	0.555	0.635	---	---	3
4	---	---	0.5338	89.1	12.2	5.66	2.35	2.28	0.548	0.613	---	---	4
5	---	---	0.5288	82.3	15.4	5.46	2.83	2.06	0.515	0.629	---	---	5
6	---	---	0.5288	35.4	48.0	5.28	2.84	2.01	0.478	0.841	---	---	6
7	---	---	0.5128	32.7	50.3	5.07	2.78	2.13	0.422	0.844	---	---	7
8	---	---	0.4838	28.7	47.9	5.16	3.14	2.06	0.444	0.857	---	---	8
9	---	---	0.4888	26.7	40.6	4.86	3.08	1.96	0.488	0.856	---	---	9
10	---	---	0.4918	23.1	41.4	4.68	3.06	2.28	0.463	0.854	---	---	10
11	---	---	0.4938	20.3	41.3	4.38	3.35	2.17	0.433	0.859	---	---	11
12	---	---	0.4888	18.1	39.4	4.21	3.84	1.99	0.405	0.854	---	---	12
13	---	---	0.4778	15.5	32.4	4.00	4.52	1.85	0.404	0.839	---	---	13
14	---	---	0.4718	10.9 B	26.8	3.77	4.24	1.89	0.400	0.803	---	---	14
15	---	---	0.4748	8.788	22.2	3.71	3.87	1.72	0.402	0.805	---	---	15
16	---	---	0.4938	8.908	19.0	4.01	3.86	1.80	0.413	0.851	---	---	16
17	---	---	0.5088	9.148	17.7	3.66	4.01	1.49	0.414	0.829	---	---	17
18	---	---	0.5248	11.3 B	16.6	3.53	3.89	1.38	0.403	0.842	---	---	18
19	---	D.5258	0.5428	15.5	15.4	3.05	3.57	1.31	0.381	0.842	---	---	19
20	---	E.5378	0.5388	18.0	16.8	3.38	3.28	1.23	0.367	0.839	---	---	20
21	---	0.5418	0.5448	16.7	16.1	3.81	2.98	1.19	0.388	0.835	---	---	21
22	---	0.5288	1.05 B	13.1	15.3	4.06	2.75	1.15	0.417	0.831	---	---	22
23	---	0.5098	2.51 B	12.3	14.2	4.10	2.51	1.12	0.432	0.830	---	---	23
24	---	0.5138	3.28 B	12.5	13.3	3.87	2.30	1.12	0.437	0.828	---	---	24
25	---	0.5118	3.87 B	12.1	12.2	3.63	2.17	1.17	0.423	0.825	---	---	25
26	---	0.5068	2.65 B	13.4	11.4	3.45	2.18	1.10	0.411	0.821	---	---	26
27	---	0.4968	2.35 B	11.9	10.5	3.36	2.16	0.954	0.549	0.817	---	---	27
28	---	0.4978	5.97 B	11.5	9.89	3.24	2.13	0.902	0.527	0.811	---	---	28
29	---		36.5 B	11.0	8.97	3.01	2.13	0.897	0.540	0.802	---	---	29
30	---		59.3 B	11.1	8.30	2.78	2.06	0.934	0.553	0.800	---	---	30
31	---		93.1 B		7.79		1.98	0.816		0.5948	---	---	31
TOTAL	---	---	221.249	812.32	663.65	128.11	91.61	48.223	13.769	19.478	---	---	TOTAL
MEAN	---	---	7.14	27.1	21.4	4.30	2.95	1.55	0.459	0.628	---	---	MEAN
MAX	---	---	93.1	101	50.3	7.16	4.52	2.28	0.583	0.855	---	---	MAX
MIN	---	---	0.471	8.78	7.79	2.78	1.98	0.816	0.387	0.581	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.16
MAXIMUM DAILY, 1018 ON APR 1
MINIMUM DAILY, 0.387 ON SEP 20
MAXIMUM INSTANTANEOUS,
1188 AT 12:38 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 10 45 N
LONG 100 00 39 W
DRAINAGE AREA, 2 670 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 880
FEB	---	AUG	4 170
MAR	19 100	SEP	1 180
APR	70 200	OCT	1 680
MAY	57 300	NOV	---
JUN	11 200	DEC	---

TOTAL DISCHARGE, 173 000 dam³

VALLEY RIVER NEAR GRANDVIEW - STATION NO. 05LJ021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.520B	45.3 B	4.32	4.00	2.29	2.47	0.431	0.847	---	---	1
2	---	---	0.520B	46.7 B	4.41	3.83	2.26	2.47	0.803	0.558	---	---	2
3	---	---	0.520B	31.3 B	4.46	3.82	2.28	2.30	0.630A	0.553	---	---	3
4	---	---	0.520B	15.1 A	4.51	3.45	2.24	2.19	0.615E	0.829	---	---	4
5	---	---	0.518B	13.1	4.78	3.24	2.50	2.18	0.555E	0.736	---	---	5
6	---	---	0.518B	11.4	7.81	3.55	3.05	2.44	0.630E	0.637	---	---	6
7	---	---	0.518B	11.4	11.7	3.53	3.02	2.71	0.602E	0.553	---	---	7
8	---	---	0.518B	10.8	10.9	3.38	2.73	3.32	0.581E	0.497	---	---	8
9	---	---	0.518B	9.81	10.1	3.23	2.54	2.77	0.588E	0.581	---	---	9
10	---	---	0.518B	8.63	11.4	3.31	2.85	2.36	0.630E	0.637	---	---	10
11	---	---	0.518B	7.85	12.1	3.29	3.92	2.15	0.655E	0.802	---	---	11
12	---	---	0.518B	6.96	9.65	3.16	3.64	2.03	0.608E	0.789	---	---	12
13	---	---	0.517B	6.15	8.45	3.18	3.56	2.04	0.595E	0.998	---	---	13
14	---	---	0.517B	5.82	8.05	3.43	3.35	1.91	0.630E	1.30	---	---	14
15	---	---	0.517B	5.19	7.83	3.38	3.23	1.75	0.623E	1.50	---	---	15
16	---	---	0.517B	5.18	8.15	3.09	3.04	1.53	0.609E	1.42	---	---	16
17	---	---	0.517B	5.72	7.63	2.97	2.74	1.54	0.595E	1.49	---	---	17
18	---	---	0.517B	6.08	8.67	2.82	2.55	1.37	0.700E	1.56	---	---	18
19	---	---	0.517B	6.42	10.4	2.84	2.42	1.35	1.00 E	1.58	---	---	19
20	---	---	0.517B	6.33	10.1	3.61	2.40	1.13	0.995E	1.59	---	---	20
21	---	---	0.550B	5.58	9.82	3.55	2.33	0.957	0.868E	1.63	---	---	21
22	---	---	1.50 B	5.57	9.08	3.24	2.18	1.10	0.933E	1.71	---	---	22
23	---	---	4.00 B	5.92	8.30	3.04	2.11	0.897	0.813E	1.86	---	---	23
24	---	---	4.50 B	6.46	7.84	2.97	2.04	0.816	0.682E	1.71	---	---	24
25	---	---	3.00 B	6.87	7.10	2.91	2.05	0.899	0.648E	1.76	---	---	25
26	---	---	2.50 B	5.73	5.59	2.98	2.13	1.08	0.655E	2.00	---	---	26
27	---	---	2.51 B	5.34	6.07	2.80	2.17	1.08	0.532E	1.80	---	---	27
28	---	---	10.5 B	5.02	5.59	2.53	2.08	1.02	0.700E	1.83	---	---	28
29	---		18.5 B	4.76	5.15	2.35	2.02	1.03	0.518E	1.70	---	---	29
30	---		25.7 B	4.42	4.78	2.34	2.12	0.889	0.525A	1.59	---	---	30
31	---		34.7 B		4.38		2.26	0.597		1.88		---	31
TOTAL	---	---	118.324	322.72	239.53	95.92	80.12	52.375	19.949	38.617	---	---	TOTA
MEAN	---	---	3.82	10.8	7.73	3.20	2.58	1.69	0.665	1.25	---	---	MEAN
MAX	---	---	34.7	46.7	12.1	4.00	3.92	3.32	1.00	2.00	---	---	MAX
MIN	---	---	0.517	4.42	4.32	2.34	2.02	0.597	0.431	0.497	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.95
MAXIMUM DAILY, 46.7B ON APR 2
MINIMUM DAILY, 0.431 ON SEP 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 10 N
LONG 100 41 40 W
DRAINAGE AREA, 1 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 920
FEB	---	AUG	4 530
MAR	10 200	SEP	1 720
APR	27 900	OCT	3 340
MAY	20 700	NOV	---
JUN	8 290	DEC	---

TOTAL DISCHARGE, 83 600 dam³

VERMILION RESERVOIR NEAR DAUPHIN - STATION NO. 05LJ046

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	388.288	388.289	388.128	388.642	388.591	388.803	387.916	387.843	387.363	387.000	387.057	386.851	1
2	388.302	388.286	388.127	388.681	388.583	388.899	387.812	387.839	387.330	387.011	387.047	386.848	2
3	388.315	388.274	388.120	388.625	388.650	387.008	387.906	387.849	387.299	387.027	387.042	386.849	3
4	388.327	388.272	388.117	388.592	388.695	387.084	387.892	387.843	387.269	387.040	387.037	386.845	4
5	388.339	388.271	388.111	388.622	388.812	387.148	387.892	387.832	387.241	387.056	387.036	386.843	5
6	388.355	388.270	388.108	388.839	389.492	387.211	387.918	387.838	387.214	387.081	387.037	386.843	6
7	388.368	388.273	388.100	388.716	389.294	387.272	387.932	387.870	387.178	387.066	387.035	386.841	7
8	388.375	388.289	388.102	388.724	389.091	387.323	387.940	387.884	387.145	387.069	387.038	386.835	8
9	388.387	388.284	388.102	388.714	388.958	387.388	387.933	387.903	387.113	387.066	387.026	386.834	9
10	388.395	388.256	388.093	388.702	388.911	387.418	387.922	387.896	387.086	387.077	387.024	386.827	10
11	388.406	388.248	388.082	388.670	388.825	387.470	387.950	387.889	387.063	387.073	387.018	386.823	11
12	388.419	388.247	388.075	388.592	388.747	387.532	387.973	387.876	387.038	387.071	387.020	386.818	12
13	388.435	388.244	388.073	388.565	388.691	387.557	387.986	387.862	387.014	387.073	387.008	386.809	13
14	388.447	388.240	388.066	388.541	388.646	387.592	388.000	387.842	386.988	387.078	386.995	386.800	14
15	388.412	388.233	388.059	388.525	388.610	387.623	388.003	387.813	386.969	387.094	386.986	386.795	15
16	388.353	388.227	388.060	388.522	388.584	387.651	387.995	387.789	386.946	387.101	386.974	386.784	16
17	388.337	388.226	388.056	388.545	388.560	387.681	387.981	387.761	386.933	387.115	386.962	386.778	17
18	388.330	388.217	388.050	388.559	388.544	387.707	387.981	387.738	386.915	387.127	386.948	386.768	18
19	388.327	388.211	388.051	388.621	388.532	387.732	387.952	387.714	386.894	387.125	386.929	386.760	19
20	388.327	388.203	388.053	388.765	388.520	387.752	387.936	387.684	386.875	387.118	386.912	386.751	20
21	388.327	388.194	388.054	388.681	388.501	387.778	387.920	387.646	386.863	387.117	386.890	386.742	21
22	388.324	388.184	388.089	388.631	388.483	387.798	387.899	387.618	386.848	387.117	386.876	386.732	22
23	388.314	388.175	388.208	388.606	388.472	387.802	387.894	387.596	386.828	387.113	386.865	386.720	23
24	388.313	388.169	388.272	388.590	388.485	387.815	387.876	387.575	386.802	387.105	386.859	386.714	24
25	388.305	388.161	388.310	388.571	388.455	387.830	387.860	387.561	386.821	387.104	386.857	386.701	25
26	388.302	388.157	388.333	388.551	388.445	387.841	387.872	387.539	386.854	387.089	386.857	386.692	26
27	388.300	388.147	388.388	388.536	388.441	387.875	387.885	387.508	386.904	387.083	386.854	386.687	27
28	388.297	388.137	388.421	388.540	388.237	387.903	387.889	387.475	386.957	387.080	386.857	386.673	28
29	388.296		388.457	388.557	387.385	387.909	387.883	387.453	386.985	387.062	386.857	386.660	29
30	388.287		388.488	388.584	386.656	387.915	387.875	387.432	386.996	387.048	386.856	386.852	30
31	388.287		388.554		386.704		387.853	387.396		387.056		386.645	31
MEAN	388.342	388.227	388.171	388.626	388.503	387.543	387.924	387.722	387.024	387.079	386.959	386.772	MEAN
MAX	388.447	388.289	388.554	388.821	389.492	387.915	388.003	387.903	387.363	387.127	387.057	386.851	MAX
MIN	388.287	388.137	388.050	388.522	386.656	388.803	387.853	387.396	386.802	387.000	386.854	386.645	MIN

WATER LEVELS IN METRES

MEAN, 387.739
MAXIMUM DAILY, 389.492 ON MAY 6
MINIMUM DAILY, 386.645 ON DEC 31
MAXIMUM INSTANTANEOUS,
389.584 AT 05:08 CST ON MAY 6

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 45 N
LONG 100 10 05 W

REGULATED SINCE 1979

VERMILION RIVER NEAR DAUPHIN - STATION NO. 05LJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1838	14.2	8.41	1.35	0.311	0.313	0.276	0.247	---	---	1
2	---	---	0.2608	14.6	8.41	1.15	0.360	0.312	0.289	0.243	---	---	2
3	---	---	0.3548	11.1	11.4	1.05	0.410	0.400	0.271	0.252	---	---	3
4	---	---	0.402B	8.98	17.4	0.908	0.406	0.829	0.288	0.325	---	---	4
5	---	---	0.352B	8.91	16.3	0.786	0.551	0.379	0.270	0.259	---	---	5
6	---	---	0.3018	8.66	87.4	0.709	0.500	0.383	0.265	0.308	---	---	6
7	---	---	0.2648	12.5	103	0.680	0.420	2.33	0.280	0.363	---	---	7
8	---	---	0.2078	12.8	48.8	0.642	0.406	1.44	0.264	0.339	---	---	8
9	---	---	0.1608	12.2	31.3	0.633	0.405	0.864	0.244	0.322	---	---	9
10	---	---	0.1828	11.4 A	32.0	0.617	0.397	0.473	0.253	0.350	---	---	10
11	---	---	0.1478	10.3	24.0	0.570	0.498	0.387	0.262	0.336	---	---	11
12	---	---	0.1538	8.22	18.4	0.533	0.467	0.305	0.286	0.332	---	---	12
13	---	---	0.2188	6.36	15.1	0.482	0.438	0.277	0.250	0.317	---	---	13
14	---	---	0.3888	5.41	12.4	0.465	0.419	0.270	0.233	0.318	---	---	14
15	---	---	0.5488	4.78	10.8	0.446	0.401	0.250	0.202	0.326	---	---	15
16	---	---	0.7898	4.66	9.63	0.441	0.384	0.232	0.188	0.320	---	---	16
17	---	---	1.17 B	5.10	8.59	0.432	0.378	0.231	0.218	0.312	---	---	17
18	---	---	2.58 B	9.32A	7.49	0.406	0.382	0.247	0.201	0.312	---	---	18
19	---	0.1688	2.41 B	21.1	6.65	0.403	0.362	0.285	0.181	0.308	---	---	19
20	---	0.1508	1.99 B	18.9	6.10	0.430	0.374	0.256	0.157	0.307	---	---	20
21	---	0.1458	1.83 B	13.6	5.28	0.409	0.384	0.255	0.176	0.295	---	---	21
22	---	0.1208	14.2 B	10.5 A	4.40	0.384	0.373	0.256	0.190A	0.303	---	---	22
23	---	0.0968	11.0 B	8.75	3.82	0.353	0.355	0.270	0.204	0.301	---	---	23
24	---	0.0758	3.96 B	8.48	3.43	0.355	0.290	0.306	0.217	0.295	---	---	24
25	---	0.0888	1.58 B	7.67	3.01	0.333	0.250	0.306	0.328	0.301	---	---	25
26	---	0.0678	2.48 B	6.82	2.67A	0.366	0.275	0.312	0.372	0.284	---	---	26
27	---	0.0858	2.14 B	6.18	2.38	0.342	0.295	0.290	0.345	0.287	---	---	27
28	---	0.1318	24.3 B	5.14	2.94	0.320	0.252	0.277	0.304	0.281	---	---	28
29	---		25.8 B	6.54	10.5	0.309	0.249	0.269	0.269	0.290	---	---	29
30	---		19.2 B	7.43	8.88	0.308	0.322	0.294	0.242	0.275	---	---	30
31	---		13.8		2.54		0.279	0.290		0.275	---	---	31
TOTAL	---	---	133.430	292.81	537.28	16.803	11.694	13.548	7.487	9.374	---	---	TOTAL
MEAN	---	---	4.30	9.75	17.3	0.553	0.374	0.437	0.250	0.302	---	---	MEAN
MAX	---	---	25.8	21.1	103	1.35	0.551	2.33	0.372	0.363	---	---	MAX
MIN	---	---	0.147	4.58	2.54	0.308	0.249	0.231	0.157	0.243	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.17
MAXIMUM DAILY, 103 ON MAY 7
MINIMUM DAILY, 0.1478 ON MAR 11
MAXIMUM INSTANTANEOUS,
134 AT 20:32 CST ON MAY 6

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 00 N
LONG 100 00 45 W
DRAINAGE AREA, 674 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1979

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 000
FEB	---	AUG	1 170
MAR	11 500	SEP	847
APR	25 300	OCT	810
MAY	46 400	NOV	---
JUN	1 430	DEC	---

TOTAL DISCHARGE, 88 300 dam³

WASKADA CREEK NEAR CRANMER - STATION NO. 05NF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.073	0.008	0	0	0	0	0	---	---	1
2	---	---	0 B	0.084	0.004	0	0	0	0	0	---	---	2
3	---	---	0 B	0.104	0.003	0	0	0	0	0	---	---	3
4	---	---	0.038B	0.075	0.003	0	0	0	0	0	---	---	4
5	---	---	0.424B	0.088	0.075	0	0	0.001	0	0	---	---	5
6	---	---	0.358B	0.047	0.038	0	0	0.011	0	0	---	---	6
7	---	---	0.030B	0.028	0.120	0	0	0.006	0	0	---	---	7
8	---	---	0 B	0.017	0.046	0	0	0.002	0	0	---	---	8
9	---	---	0 B	0.008	0.159	0	0	0.002	0	0	---	---	9
10	---	---	0 B	0.008	0.149	0	0	0.001	0	0	---	---	10
11	---	---	0 B	0.008	0.053	0	0	0	0	0	---	---	11
12	---	---	0 B	0.004B	0.034	0	0	0	0	0	---	---	12
13	---	---	0 B	0.003B	0.024	0	0	0	0	0	---	---	13
14	---	---	0.007B	0.001B	0.015	0	0	0.001	0	0	---	---	14
15	---	---	0.056B	0.001B	0.010	0	0	0.003	0	0	---	---	15
16	---	---	0.281B	0.006B	0.006	0	0	0.001	0	0	---	---	16
17	---	---	0.860B	0.075	0.005	0	0	0.278	0	0	---	---	17
18	---	---	0.712B	0.382	0.004	0	0	0.087	0	0	---	---	18
19	---	---	0.496B	0.870	0.004	0	0	0.002	0	0	---	---	19
20	---	---	0.143B	0.316	0.003	0	0	0.002	0	0	---	---	20
21	---	---	0.219B	0.179	0.002	0	0	0.001	0	0	---	---	21
22	---	---	0.401B	0.088	0	0	0	0	0	0	---	---	22
23	---	---	0.284B	0.110	0	0	0	0	0	0	---	---	23
24	---	---	0.238B	0.051	0	0	0	0	0	0	---	---	24
25	---	---	0.288B	0.027	0	0	0	0	0	0	---	---	25
26	---	---	0.271B	0.018	0	0	0	0	0	0	---	---	26
27	---	---	0.243B	0.007	0	0	0	0	0	0	---	---	27
28	---	---	0.474	0.006	0	0	0	0	0	0	---	---	28
29	---	---	0.340	0.004	0	0	0	0	0	0	---	---	29
30	---	---	0.215	0.007	0	0	0.001	0	0	0	---	---	30
31	---		0.155		0		0.001	0	0	0	---	---	31
TOTAL	---	---	5.341	2.856	0.825	0	0.548	0.923	0	0	---	---	TOTAL
MEAN	---	---	0.205	0.089	0.027	0	0.018	0.001	0	0	---	---	MEAN
MAX	---	---	0.712	0.870	0.159	0	0.278	0.011	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.042
MAXIMUM DAILY, 0.870 ON APR 19
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.17B AT 08:35 CST ON APR 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 40 N
LONG 100 43 50 W
DRAINAGE AREA, 104 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	47.3
FEB	---	AUG	1.89
MAR	548	SEP	0
APR	229	OCT	0
MAY	71.3	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 898 dam³

WATERHEN LAKE AT SKOWNAN - STATION NO. 05LH008

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	252.121	252.122	252.091	252.083	252.275	252.405	252.359	252.303	252.171	252.113	252.084	252.082	1
2	252.122	252.124	252.085	252.100	252.262	252.386	252.326	252.275	252.150	252.119	252.055	252.089	2
3	252.121	252.125	252.081	252.106	252.294	252.455	252.316	252.275	252.163	252.084	252.050	252.070	3
4	252.122	252.123	252.078	252.114	252.317	252.407	252.319	252.274	252.196	252.103	252.047	252.076	4
5	252.125	252.124	252.077	252.116	252.335	252.386	252.341	252.269	252.189	252.095	252.049	252.077	5
6	252.119	252.121	252.073	252.125	252.325	252.409	252.330	252.270	252.155	252.089	252.044	252.077	6
7	252.118	252.120	252.072	252.130	252.328	252.434	252.347	252.278	252.153	252.124	252.041	252.078	7
8	252.119	252.121	252.073	252.133	252.336	252.375	252.344	252.274	252.152	252.107	252.044	252.080	8
9	252.116	252.119	252.078	252.135	252.343	252.384	252.342	252.307	252.132	252.034	252.050	252.085	9
10	252.117	252.121	252.078	252.134	252.322	252.416	252.336	252.270	252.136	252.127	252.068	252.084	10
11	252.117	252.122	252.076	252.124	252.371	252.382	252.327	252.255	252.138	252.111	252.072	252.085	11
12	252.113	252.118	252.074	252.120	252.383	252.420	252.339	252.249	252.179	252.079	252.068	252.088	12
13	252.114	252.120	252.072	252.123	252.361	252.400	252.327	252.262	252.130	252.096	252.065	252.088	13
14	252.119	252.118	252.072	252.128	252.408	252.384	252.325	252.255	252.135	252.114	252.061	252.092	14
15	252.120	252.119	252.069	252.130	252.388	252.403	252.326	252.283	252.125	252.086	252.057	252.089	15
16	252.121	252.119	252.063	252.129	252.448	252.381	252.348	252.257	252.111	252.087	252.057	252.091	16
17	252.117	252.119	252.065	252.133	252.438	252.372	252.344	252.228	252.137	252.074	252.057	252.095	17
18	252.121	252.122	252.061	252.143	252.421	252.383	252.308	252.212	252.128	252.082	252.055	252.096	18
19	252.122	252.118	252.066	252.153	252.415	252.383	252.340	252.243	252.124	252.091	252.056	252.084	19
20	252.121	252.118	252.066	252.155	252.417	252.388	252.324	252.239	252.120	252.083	252.057	252.095	20
21	252.121	252.113	252.057	252.188	252.417	252.379	252.323	252.198	252.115	252.083	252.057	252.094	21
22	252.121	252.108	252.057	252.187	252.436	252.390	252.282	252.226	252.112	252.089	252.057	252.098	22
23	252.121	252.107	252.054	252.201	252.442	252.378	252.300	252.182	252.121	252.074	252.054	252.098	23
24	252.121	252.108	252.059	252.215	252.456	252.321	252.310	252.187	252.134	252.072	252.061	252.099	24
25	252.123	252.103	252.068	252.224	252.453	252.395	252.276	252.248	252.133	252.065	252.064	252.101	25
26	252.125	252.097	252.075	252.231	252.445	252.388	252.297	252.201	252.100	252.082	252.064	252.103	26
27	252.126	252.096	252.076	252.232	252.438	252.376	252.287	252.180	252.108	252.084	252.061	252.088	27
28	252.122	252.083	252.075	252.248	252.438	252.385	252.270	252.165	252.105	252.121	252.062	252.105	28
29	252.126		252.077	252.260	252.445	252.354	252.272	252.175	252.106	252.075	252.063	252.107	29
30	252.127		252.078	252.274	252.457	252.347	252.252	252.168	252.107	252.041	252.059	252.107	30
31	252.125		252.087		252.444		252.283	252.221		252.135		252.109	31
MEAN	252.121	252.116	252.071	252.159	252.391	252.388	252.317	252.239	252.136	252.090	252.057	252.090	MEAN
MAX	252.127	252.125	252.081	252.274	252.457	252.455	252.359	252.307	252.188	252.135	252.072	252.109	MAX
MIN	252.113	252.083	252.064	252.083	252.275	252.321	252.252	252.168	252.100	252.034	252.041	252.082	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 252.182
MAXIMUM DAILY, 252.457 ON MAY 30
MINIMUM DAILY, 252.034 ON OCT 9
MAXIMUM INSTANTANEOUS,
252.563 AT 14:40 CST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 58 20 N
LONG 99 35 20 W

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WATERHEN RIVER NEAR WATERHEN - STATION NO. 05LH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.9B	22.2B	15.1B	22.4B	148	167	149	139	117	105	66.4B	47.3B	1
2	28.6B	22.3B	14.8B	23.8B	143	143A	141	132	110	110	65.8B	46.8B	2
3	28.3B	22.2B	14.6B	25.1B	135	204A	132	131	113	96.3	65.5B	46.4B	3
4	28.0B	21.9B	15.0B	26.8B	156	169	138	131	122	86.6	64.9B	46.0B	4
5	28.0B	21.8B	14.6B	28.6B	164	160	148	129	127	106	64.2B	45.6B	5
6	27.5B	21.9B	14.7B	30.9B	145	165	141	129	116	97.8	63.9B	45.3B	6
7	27.0B	21.5B	14.3B	33.4B	141	177	146	134	113	112	63.1B	44.9B	7
8	26.5B	21.2B	14.7B	36.4B	156	157	143	131	113	110	62.5B	44.5B	8
9	26.4B	21.0B	14.7B	39.8B	156	154	142	145	106	88.3	61.7B	43.8B	9
10	26.1B	20.8B	14.4B	43.9B	135	170	141	133	107	107	60.9B	43.8B	10
11	25.7B	20.5B	14.3B	50.1B	155	146	139	126	107	112	79.1B	44.0B	11
12	26.7B	19.9B	14.0B	57.8B	163	172	137	133	122	86.8	76.4B	44.3B	12
13	26.4B	19.5B	13.9B	65.2B	160	163	140	129	108	89.6	73.3B	44.0B	13
14	26.2B	19.1B	14.3B	73.3B	163	159	138	130	108	113	70.8B	45.1B	14
15	25.9B	18.8B	14.1B	82.0B	159	163	138	128	108	98.6	68.7B	45.9B	15
16	25.8B	18.6B	14.8B	91.7B	184	158	144	130	102	101	67.0B	46.1B	16
17	25.6B	18.5B	14.4B	101 B	182	160	144	125	109	97.7	65.2B	45.9B	17
18	25.7B	18.0B	14.5B	111	170	153	133	116	108	89.4	62.0B	45.8B	18
19	25.5B	17.8B	14.8B	122	160	153	144	121	108	103	58.2B	46.2B	19
20	25.5B	17.2B	14.5B	125	159	157	142	134	105	102	57.8B	46.2B	20
21	25.4B	17.0B	14.0B	116	155	153	139	115	104	100	56.4B	45.7B	21
22	25.3B	16.4B	15.0B	121	166A	158	134	122	103	107	55.1B	45.8B	22
23	24.7B	16.2B	15.4B	129	171E	157	132	115	105	100	54.0B	46.1B	23
24	24.3B	15.8B	15.1B	131	177E	136	140	109	108	101	52.7B	46.0B	24
25	24.2B	15.6B	17.2B	130	176E	151	130	134	109	97.1	51.6B	46.4B	25
26	24.0B	15.3B	17.4B	137	175E	155	133	120	97.1	102	51.2B	45.7B	26
27	23.8B	15.1B	17.5B	137	177A	154	134	116	104	86.3	50.4B	45.0B	27
28	23.7B	15.0B	18.2B	142	171	156	130	110	104	117	49.8B	45.8B	28
29	23.1B		18.8B	140	178	149	130	111	103	106	48.8B	45.6B	29
30	22.8B		19.5B	147	184	144	122	110	105	86.5B	47.8B	46.0B	30
31	22.7B		21.0B		177		135	128		87.2B		46.5B	31
TOTAL	798.4	630.8	480.8	2 520.1	5 041	4 754	4 275	3 888	3 286.1	3 184.5	2 036.3	1 412.1	TOTAL
MEAN	25.8	19.0	15.5	84.0	163	158	138	125	109	102	67.9	45.6	MEAN
MAX	28.9	22.3	21.0	147	184	204	149	145	127	117	86.4	47.3	MAX
MIN	22.7	15.0	13.9	22.4	135	136	122	109	97.1	87.2	47.9	43.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1986

MEAN, 88.1
MAXIMUM DAILY, 204A ON JUN 3
MINIMUM DAILY, 13.9B ON MAR 13
MAXIMUM INSTANTANEOUS,
205 AT 18:28 CST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 10 N
LONG 99 32 50 W
DRAINAGE AREA, 55 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	69 000	JUL	369 000
FEB	45 900	AUG	336 000
MAR	41 500	SEP	282 000
APR	218 000	OCT	273 000
MAY	436 000	NOV	176 000
JUN	411 000	DEC	122 000

TOTAL DISCHARGE, 2 780 000 dam³

WEAVER LAKE AT OUTLET - STATION NO. 05RE002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.220	28.089	28.022	27.989	29.196	29.174E	28.496	28.089	28.010	27.988	28.184	28.186	1
2	28.212	28.089	28.020	27.993	29.235	29.146E	28.470	28.054	27.994	27.990	28.172	28.186	2
3	28.209	28.086	28.018	27.996	29.274	29.120E	28.460	28.059	27.974	27.991	28.171	28.186	3
4	28.203	28.083	28.012	28.004	29.301	29.096E	28.436	28.061	27.969	27.883	28.169	28.187	4
5	28.195	28.080	28.010	28.010	29.332	29.070E	28.417	28.054	27.970	27.989	28.176	28.191	5
6	28.188	28.076	28.005	28.021	29.350	29.044E	28.347	28.047	27.978	28.003	28.177	28.191	6
7	28.185	28.068	28.000	28.041	29.381	29.008E	28.355	28.044	27.980	28.007	28.179	28.187	7
8	28.183	28.067	28.000	28.072	29.408	28.992E	28.375	28.037	27.974	28.001	28.180	28.188	8
9	28.178	28.064	28.000	28.106	29.439	28.966E	28.389	28.078	27.985	28.027	28.175	28.188	9
10	28.175	28.060	28.000	28.147	29.434	28.958E	28.359	28.067	27.984	28.017	28.176	28.188	10
11	28.169	28.060	28.000	28.189	29.459	28.952A	28.356	28.070	27.983	28.039	28.183	28.184	11
12	28.164	28.057	27.993	28.228	29.457	28.886	28.318	28.059	27.983	28.048	28.187	28.184	12
13	28.161	28.055	27.984	28.268	29.472	28.879	28.295	28.064	27.973	28.057	28.189	28.184	13
14	28.153	28.048	27.985	28.303	29.479	28.858	28.281	28.064	27.972	28.074	28.191	28.186	14
15	28.151	28.045	27.982	28.338	29.477	28.848	28.255	28.052	27.980	28.064	28.193	28.182	15
16	28.149	28.039	27.981	28.367	29.458	28.825	28.250	28.018	27.981	28.085	28.191	28.180	16
17	28.142	28.040	27.980	28.400	29.471	28.810	28.252	28.035	27.984	28.091	28.188	28.179	17
18	28.139	28.042	27.977	28.436	29.475	28.790	28.181	28.039	27.979	28.097	28.187	28.179	18
19	28.137	28.038	27.972	28.487	29.469	28.774	28.191	28.025	27.977	28.100	28.185	28.173	19
20	28.134	28.034	27.970	28.578	29.459	28.733	28.183	27.970	27.981	28.105	28.187	28.175	20
21	28.126	28.033	27.971	28.659	29.448	28.705	28.143	28.012	27.984	28.113	28.188	28.176	21
22	28.118	28.031	27.966	28.731	29.435	28.675	28.155	27.998	27.974	28.124	28.192	28.172	22
23	28.116	28.028	27.963	28.798	29.415	28.664	28.129	28.002	27.977	28.121	28.189	28.186	23
24	28.114	28.027	27.966	28.853	29.394	28.643	28.105	28.010	28.011	28.132	28.188	28.186	24
25	28.112	28.027	27.965	28.910	29.374	28.620	28.125	27.997	28.094	28.140	28.187	28.184	25
26	28.105	28.027	27.970	28.955	29.354	28.589	28.118	28.001	28.035	28.137	28.189	28.180	26
27	28.101	28.023	27.973	28.998	29.338A	28.550	28.118	27.987	27.984	28.146	28.188	28.180	27
28	28.101	28.022	27.972	29.044	29.300E	28.543	28.114	27.994	27.982	28.123	28.187	28.181	28
29	28.097		27.972	29.095	29.270E	28.536	28.095	27.995	27.985	28.141	28.184	28.187	29
30	28.090		27.972	29.151	29.240E	28.509	28.074	28.002	27.977	28.152	28.184	28.154	30
31	28.089		27.978		29.208E		28.061	27.988		28.132		28.156	31
MEAN	28.148	28.051	27.986	28.439	29.381	28.832	28.254	28.031	27.986	28.072	28.183	28.177	MEAN
MAX	28.220	28.089	28.022	29.151	29.479	29.174	28.496	28.078	28.094	28.152	28.193	28.191	MAX
MIN	28.089	28.022	27.963	27.989	29.196	28.509	28.061	27.970	27.980	27.983	28.164	28.154	MIN

WATER LEVELS IN METRES

MEAN, 28.296
MAXIMUM DAILY, 29.479 ON MAY 14
MINIMUM DAILY, 27.980 ON SEP 7
MAXIMUM INSTANTANEOUS,
29.496 AT 08:26 CST ON MAY 15

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 98 45 10 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WEIR RIVER ABOVE THE MOUTH - STATION NO. 05UH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.04 B	0.770B	0.673B	0.663B	0.655B	72.3	32.9	37.7	48.0E	13.4 A	9.25B	3.60B	1
2	1.03 B	0.765B	0.673B	0.663B	0.655B	67.5	31.5	35.9	44.5E	13.2	9.06B	3.58B	2
3	1.01 B	0.760B	0.673B	0.663B	0.655B	62.6	29.8	34.6	40.0E	13.0	8.68B	3.52B	3
4	1.00 B	0.755B	0.673B	0.663B	0.655B	58.1	28.4	32.8	38.5E	12.8	8.49B	3.43B	4
5	0.988B	0.750B	0.673B	0.663B	0.655B	53.9	27.5	30.8	37.0E	12.7	8.20B	3.35B	5
6	0.975B	0.745B	0.670B	0.660B	0.655B	50.3	28.2	28.8	37.0E	12.6	7.93B	3.26B	6
7	0.970B	0.740B	0.670B	0.660B	0.663B	47.0	31.8	26.4	36.8E	12.6	7.75B	3.18B	7
8	0.963B	0.735B	0.670B	0.660B	0.675B	44.6	40.7	31.3	36.0E	12.6	7.48B	3.13B	8
9	0.950B	0.730B	0.670B	0.660B	0.725B	42.1	46.7	44.8	34.5E	15.5	7.30B	3.08B	9
10	0.938B	0.725B	0.670B	0.660B	1.13 B	39.5	47.5	53.4	33.7E	15.9	6.94B	3.01B	10
11	0.925B	0.720B	0.668B	0.660B	5.40 B	37.5	44.7	54.9	31.0E	13.3	6.75B	2.96B	11
12	0.920B	0.715B	0.668B	0.660B	26.2 B	37.3	40.6	53.0	29.0E	17.2	6.49B	2.92B	12
13	0.913B	0.713B	0.668B	0.660B	98.8 B	44.3	36.0	48.8	27.0E	18.9	6.33B	2.88B	13
14	0.900B	0.710B	0.668B	0.660B	128 B	57.6	32.3	43.9	25.0E	17.6	6.12B	2.84B	14
15	0.895B	0.708B	0.668B	0.660B	156 E	68.1	29.8	40.6	23.5E	16.9	5.98B	2.75B	15
16	0.888B	0.705B	0.665B	0.658B	183 E	71.2	28.1	39.8	22.5E	16.8	5.84B	2.71B	16
17	0.875B	0.703B	0.665B	0.658B	185 E	68.2	28.1	41.7	21.3E	16.4	5.70B	2.68B	17
18	0.870B	0.700B	0.665B	0.658B	184 E	61.7	27.9	43.1	20.7E	14.9	5.56B	2.60B	18
19	0.863B	0.698B	0.665B	0.658B	178 E	55.4	27.8	43.7	19.5E	12.0	5.36B	2.56B	19
20	0.850B	0.695B	0.665B	0.658B	170 E	50.7	28.2	51.4	18.6E	11.6	5.21B	2.53B	20
21	0.845B	0.693B	0.665B	0.658B	162 E	46.8	29.1	67.7A	18.0E	11.4	5.07B	2.48B	21
22	0.838B	0.690B	0.665B	0.658B	150 E	43.8	28.9	76.0E	17.2E	11.3	4.83B	2.45B	22
23	0.825B	0.688B	0.665B	0.658B	140 E	41.6	28.3	78.8E	16.7E	11.2	4.72B	2.41B	23
24	0.820B	0.685B	0.665B	0.658B	130 E	39.5	27.8	79.3E	16.0E	11.2	4.58B	2.38B	24
25	0.813B	0.683B	0.665B	0.658B	123 E	37.6	28.4	79.5E	15.5E	11.0	4.44B	2.34B	25
26	0.800B	0.680B	0.663B	0.655B	114 E	36.3	29.9	74.5E	15.2E	10.9	4.30B	2.30B	26
27	0.795B	0.678B	0.663B	0.655B	102 E	38.1	33.0	69.5E	14.5E	10.8	4.16B	2.26B	27
28	0.790B	0.675B	0.663B	0.655B	91.9 A	35.7	36.7	64.5E	14.2E	10.4 B	4.02B	2.23B	28
29	0.785B		0.663B	0.655B	86.7	35.3	39.2	61.5E	14.0E	10.1 B	3.88B	2.19B	29
30	0.780B		0.663B	0.655B	81.2	34.4	40.0	58.0E	13.7E	9.91B	3.74B	2.15B	30
31	0.775B		0.663B		76.8		38.2	53.5E		9.53B		2.11B	31
TOTAL	27.629	20.014	20.883	19.770	2 580.123	1 477.1	1 028.7	1 578.8	780.1	409.64	184.28	85.87	TOTAL
MEAN	0.891	0.715	0.667	0.659	83.2	49.2	33.2	50.9	26.0	13.2	5.14	2.77	MEAN
MAX	1.04	0.770	0.673	0.663	185	72.3	47.5	79.3	48.0	18.9	9.25	3.60	MAX
MIN	0.775	0.675	0.663	0.655	0.655	34.4	27.5	28.4	13.7	9.53	3.74	2.11	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.5
MAXIMUM DAILY, 185E ON MAY 17
MINIMUM DAILY, 0.655B ON APR 28

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 01 33 N
LONG 93 26 54 W
DRAINAGE AREA, 2 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 390	JUL	88 900
FEB	1 730	AUG	136 000
MAR	1 790	SEP	67 400
APR	1 710	OCT	35 400
MAY	223 000	NOV	15 900
JUN	128 000	DEC	7 420

TOTAL DISCHARGE, 710 000 dam³

WEST HAWK LAKE AT WEST HAWK LAKE CAMPGROUND - STATION NO. 05PG803

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	332.625	332.614	332.525	332.509	---	332.353E	332.282E	---	1
2	---	---	---	---	332.633	332.606	332.523E	332.507	---	332.351E	332.248E	---	2
3	---	---	---	---	332.636E	332.608	332.521	332.503E	---	332.346	332.245E	---	3
4	---	---	---	---	332.639	332.606	332.545	332.496	332.396	332.346E	332.242E	---	4
5	---	---	---	---	332.645	332.598	332.547	332.497	---	332.343E	332.238	---	5
6	---	---	---	---	332.655	332.588	332.545	332.493E	---	332.341E	332.233	---	6
7	---	---	---	---	332.655	332.596	332.545	332.489	---	332.338	332.234	---	7
8	---	---	---	332.375	332.645E	332.588	332.545	332.488	---	332.328	332.236E	---	8
9	---	---	---	---	332.636	332.588	332.544	332.490	---	332.323E	332.238E	---	9
10	---	---	---	---	332.634	332.586	332.543	332.484	---	332.318E	332.240	---	10
11	---	---	---	---	332.626	332.574	332.543	332.485	---	332.313E	332.240E	---	11
12	---	---	---	---	332.623	332.571	332.521	332.485	---	332.308E	332.239E	---	12
13	---	---	---	---	332.607	332.569	332.543	332.485E	---	332.303E	332.236	---	13
14	---	---	---	---	332.598	332.556	332.527	332.483	---	332.298	---	---	14
15	---	---	---	332.505	332.784	332.554	332.518	332.482	---	332.288	---	---	15
16	---	---	---	---	332.780	332.552	332.515	332.464	---	332.285	---	---	16
17	---	---	---	---	332.756	332.548	332.532	332.460	---	332.282E	---	---	17
18	---	---	---	---	332.742	332.536	332.530	332.462	332.363	332.278	---	---	18
19	---	---	---	---	332.726	332.536	332.523	332.465	332.358	332.277E	---	---	19
20	---	---	---	---	332.714	332.546	332.517	332.467E	332.358	332.276E	---	---	20
21	---	---	332.268	---	332.705	332.552	332.515	332.470E	332.358E	332.275E	---	---	21
22	---	---	---	---	332.684	332.546	332.515	332.473	332.358E	332.273E	---	---	22
23	---	---	---	---	332.675	332.546	332.508E	27, 484	332.358E	332.272E	---	---	23
24	---	---	---	---	332.670	332.536	332.503	332.428	332.358E	332.271E	---	---	24
25	---	---	---	---	332.660	332.541	332.487	332.430	332.358E	332.270E	---	---	25
26	---	---	---	---	332.650	332.546	332.485	332.431	332.358E	332.268	---	---	26
27	---	---	---	---	332.652	332.541	332.487	332.410	332.358E	332.266E	---	---	27
28	---	---	---	332.726	332.633	332.539	332.507	332.402E	332.358E	332.263E	---	---	28
29	---	---	---	332.765	332.624	332.527	332.527	332.394	332.356	332.261E	---	---	29
30	---	---	---	332.765	332.624	332.527	332.521	332.388	332.356E	332.258	---	---	30
31	---	---	---		332.622		332.515	332.382E		332.255E		---	31
MEAN	---	---	---	---	332.753	332.564	332.524	332.461	---	332.298	---	---	MEAN
MAX	---	---	---	---	332.855	332.614	332.547	332.509	---	332.353	---	---	MAX
MIN	---	---	---	---	332.622	332.527	332.495	332.382	---	332.255	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 44 45 N
LONG 95 12 41 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM AT WHITE PASS AND YUKON DOCK 1944-60

WEST SQUIRREL CREEK NEAR AUSTIN - STATION NO. 05LL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1685	1.76 B	1.33	0.110	0.102	0.156	0.091	0.100	---	---	1
2	---	---	0.1538	1.44 B	1.02	0.101	0.081	0.148	0.085	0.099	---	---	2
3	---	---	0.1708	1.14 B	0.656	0.104	0.073	0.148	0.095	0.091	---	---	3
4	---	---	0.1868	1.04 B	0.718	0.103	0.064	0.157	0.100	0.098	---	---	4
5	---	---	0.1618	1.16 B	1.81	0.105	0.058	0.156	0.103	0.095	---	---	5
6	---	---	0.1526	1.03 B	3.47	0.105	0.054	0.145	0.103	0.099	---	---	6
7	---	---	0.1478	1.06	4.32	0.102	0.041	0.147	0.102	0.103	---	---	7
8	---	---	0.1478	0.885	3.07	0.101	0.035	0.150	0.100	0.107	---	---	8
9	---	---	0.1368	0.753	1.34	0.111	0.030	0.146	0.089	0.105	---	---	9
10	---	---	0.1318	0.725	1.04	0.156	0.057	0.151	0.092	0.105	---	---	10
11	---	---	0.1418	0.534	0.780	0.132	0.706	0.135	0.097	0.106	---	---	11
12	---	---	0.1468	0.4218	0.719	0.116	1.07	0.127	0.095	0.106	---	---	12
13	---	---	0.1508	0.3788	0.608	0.109	0.675	0.118	0.100	0.103	---	---	13
14	---	---	0.1598	0.3598	0.584	0.102	0.639	0.116	0.100	0.102	---	---	14
15	---	---	0.1728	0.3458	0.656	0.118	0.475	0.112	0.101	0.104	---	---	15
16	---	---	0.1578	0.413	0.605	0.161	0.365	0.105	0.112	0.106	---	---	16
17	---	---	0.2206	0.595	0.377	0.132	0.430	0.097	0.136	0.103	---	---	17
18	---	---	0.2778	1.56	0.330	0.112	1.60	0.093	0.140	0.104	---	---	18
19	---	---	0.2726	2.76	0.260	0.105	2.02	0.091	0.124	0.109	---	---	19
20	---	---	0.2618	2.65	0.234	0.157	1.40	0.110	0.117	0.102	---	---	20
21	---	---	0.2456	1.77	0.236	0.156	0.630	0.093	0.117	0.094	---	---	21
22	---	---	0.5568	1.27	0.225	0.165	0.507	0.083	0.122	0.094	---	---	22
23	---	---	0.9518	1.06	0.193	0.135	0.364	0.084	0.117	0.095	---	---	23
24	---	---	2.05 B	0.887	0.172	0.160	0.323	0.066	0.107	0.098	---	---	24
25	---	---	1.87 B	0.740	0.177	0.118	0.267	0.087	0.102	0.098A	---	---	25
26	---	---	1.49 B	0.656	0.177	0.140	0.237	0.103	0.135	0.100E	---	---	26
27	---	---	1.24 B	0.563	0.151	0.157	0.223	0.101	0.143	0.098E	---	---	27
28	---	---	1.65 B	0.550	0.135	0.168	0.214	0.083	0.127	0.098E	---	---	28
29	---	---	2.61 B	0.594	0.125	0.165	0.209	0.093	0.112	0.098E	---	---	29
30	---	---	2.65 B	1.80	0.126	0.145	0.182	0.082	0.104	0.100E	---	---	30
31	---	---	2.31 B		0.116		0.159	0.080		0.101E		---	31
TOTAL	---	---	22.086	31.007	24.575	3.878	13.801	3.622	3.295	3.126	---	---	TOTAL
MEAN	---	---	0.713	1.03	0.793	0.129	0.445	0.117	0.110	0.101	---	---	MEAN
MAX	---	---	2.65	2.76	4.32	0.198	2.02	0.157	0.143	0.109	---	---	MAX
MIN	---	---	0.131	0.345	0.116	0.101	0.030	0.083	0.085	0.091	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.430
MAXIMUM DAILY 4.32 ON MAY 7
MINIMUM DAILY 0.030 ON JUL 5
MAXIMUM INSTANTANEOUS
5.59 AT 04 44 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 00 N
LONG 96 56 50 W
DRAINAGE AREA 156 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	313
MAR	1 810	SEP	285
APR	2 660	OCT	270
MAY	2 120	NOV	---
JUN	335	DEC	---

TOTAL DISCHARGE, 9 100 dam³

WHITEMOUTH LAKE NEAR THE OUTLET - STATION NO. 05PH005

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	344.381	344.488	344.431	344.423	344.365	344.380	344.322	---	1
2	---	---	---	---	344.412	344.508	344.435	344.418	344.383	344.381	---	---	2
3	---	---	---	---	344.438	344.488	344.448	344.423	344.381	344.363	---	---	3
4	---	---	---	---	344.436	344.467	344.449	344.421	344.362	344.370	---	---	4
5	---	---	---	---	344.491	344.473	344.463	344.423	344.351	344.368	---	---	5
6	---	---	---	---	---	344.4538	344.482	344.473	344.426	344.356	344.369	---	6
7	---	---	---	344.2084	344.4588	344.457	344.481	344.420	344.360	344.364	---	---	7
8	---	---	---	344.212	344.4864	344.488	344.464	344.414	344.358	344.350	---	---	8
9	---	---	---	344.213	344.523	344.470	344.471	344.399	344.358	344.369	---	---	9
10	---	---	---	344.216	344.516	344.452	344.476	344.398	344.355	344.371	---	---	10
11	---	---	---	344.218	344.519	344.459	344.480	344.399	344.353	344.339	---	---	11
12	---	---	---	344.222	344.537	344.440	344.472	344.403	344.345	344.346	---	---	12
13	---	---	---	344.224	344.537	344.439	344.464	344.399	344.348	344.354	---	---	13
14	---	---	---	344.226	344.548	344.435	344.469	344.396	344.345	344.344	---	---	14
15	---	---	---	344.230	344.539	344.447	344.463	344.404	344.343	344.356	---	---	15
16	---	---	---	344.233	344.533	344.445	344.464	344.394	344.357	344.351	---	---	16
17	---	---	---	344.231	344.527	344.456	344.465	344.390	344.351	344.357	---	---	17
18	---	---	---	344.245	344.535	344.453	344.459	344.397	344.349	344.356	---	---	18
19	---	---	---	344.249	344.541	344.453	344.444	344.406	344.349	344.350	---	---	19
20	---	---	---	344.242	344.538	344.475	344.442	344.404	344.352	344.349	---	---	20
21	---	---	---	344.269	344.535	344.473	344.441	344.421	344.356	344.352	---	---	21
22	---	---	---	344.284	344.536	344.456	344.438	344.415	344.360	344.342	---	---	22
23	---	---	---	344.287	344.529	344.445	344.453	344.412	344.358	344.345	---	---	23
24	---	---	---	344.263	344.524	344.462	344.430	344.429	344.362	344.349	---	---	24
25	---	---	---	344.276	344.520	344.465	344.432	344.384	344.394	344.348	---	---	25
26	---	---	---	344.305	344.516	344.447	344.436	344.374	344.383	344.352	---	---	26
27	---	---	---	344.314	344.515	344.442	344.458	344.380	344.363	344.343	---	---	27
28	---	---	---	344.338	344.515	344.435	344.456	344.384	344.368	344.321	---	---	28
29	---	---	---	344.365	344.510	344.435	344.458	344.384	344.766	344.329	---	---	29
30	---	---	---	344.377	344.497	344.434	344.445	344.381	344.380	344.351	---	---	30
31	---	---	---		344.482		344.426	344.369		344.314		---	31
MEAN	---	---	---	---	344.405	344.456	344.454	344.403	344.380	344.350	---	---	MEAN
MAX	---	---	---	---	344.546	344.509	344.483	344.429	344.394	344.371	---	---	MAX
MIN	---	---	---	---	344.381	344.434	344.426	344.369	344.343	344.314	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 344.548 ON MAY 14

MINIMUM INSTANTANEOUS,
344.573 AT 18.50 CST ON MAY 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1928 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 40 N
LONG 95 41 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WHITEMOUTH RIVER NEAR WHITEMOUTH - STATION NO. 05PH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6370	0.6480	0.2520	59.20	112	17.0	3.53	3.17E	1.10	4.54	1.87	2.770	1
2	0.6100	0.5460	0.2750	64.30	122	14.6	3.33	2.88E	1.34	4.71	1.918	2.620	2
3	0.6070	0.5600	0.2770	66.00	127	13.3	2.94	2.92E	2.48	5.16	1.938	2.550	3
4	0.6100	0.5505	0.2710	74.5	128	12.2	2.95	2.79E	2.91	5.16	1.958	2.518	4
5	0.7630	0.5060	0.2330	88.2	131	11.4	2.95	2.67E	2.59	5.06	1.968	2.480	5
6	0.7360	0.6110	0.1790	81.4	131	10.3	3.12	2.48E	2.20	5.00	2.129	2.460	6
7	0.6620	0.6135	0.1260	80.6	129	9.70	4.27	2.43E	1.69	4.74	2.239	2.340	7
8	0.6400	0.5460	0.0930	80.3	127	9.20	5.86	2.31E	1.70	4.54	2.899	2.320	8
9	0.5800	0.5360	0.0930	59.8	121	9.02	6.20	2.20E	1.58	4.35	2.749	2.330	9
10	0.5440	0.4230	0.0650	57.5	116	8.55	6.32	2.03E	1.40	4.14	2.649	2.190	10
11	0.6110	0.2780	0.0720	55.9	106	7.70	6.87	1.92E	1.29	4.00	2.590	2.100	11
12	0.7650	0.1890	0.0680	53.7	102	7.25	6.64	1.87E	1.21	3.90	2.550	2.230	12
13	0.7280	0.1350	0.0930	49.9	99.5	6.97	6.12	1.86A	1.15	3.77	2.500	2.000	13
14	0.6510	0.0960	0.0940	46.0	96.0	5.84	5.52	1.69A	1.14	3.69	2.460	1.910	14
15	0.6150	0.0940	0.1130	43.8	88.2	5.29	5.24	1.75A	1.07	3.52	2.430	2.040	15
16	0.5660	0.1130	0.1360	43.8	80.5	4.99	4.89	2.27	0.995	3.37	2.389	2.030	16
17	0.6370	0.1630	0.2660	43.7	72.2	4.85	4.66	2.85	1.17	3.27	2.369	1.880	17
18	0.6740	0.2650	0.3480	43.1	65.2	4.95	4.60	2.45	1.43	3.43	2.329	2.000	18
19	0.6750	0.2730	0.4180	43.5	58.8	4.78	4.29	2.54	1.76	3.40	2.298	2.000	19
20	0.6730	0.2610	0.3160	46.5	54.0	5.19	3.79	3.33	1.74	3.22	2.268	1.830	20
21	0.7020	0.2200	0.3210	47.5	50.1	5.86	3.39	2.64	1.52	2.98	2.658	1.708	21
22	0.8508	0.2618	0.8020	46.1	46.1	6.01	3.87A	2.02	1.56	2.89	2.758	1.629	22
23	0.8448	0.2816	1.17 B	45.1	42.5	6.17	3.88E	1.83	1.88	2.83	2.858	1.598	23
24	0.8448	0.2828	1.43 B	44.5	38.5	5.56	3.79E	1.75	1.80	2.75	2.908	1.448	24
25	0.7518	0.2598	1.70 B	44.3	36.5	6.88	3.68E	1.70	2.15	2.83	2.958	1.438	25
26	0.6868	0.2828	3.07 B	50.2	33.9	6.54	3.37E	1.85	3.05	2.55	2.948	1.488	26
27	0.6858	0.3168	4.10 B	53.5	30.8	6.53	3.61E	1.55	3.66	2.53	2.81N	1.408	27
28	0.2818	0.3078	11.2 B	76.5	27.9	6.35	3.79E	1.61	3.84	2.48	2.81N	1.408	28
29	0.4208		36.1 B	88.9	25.9	6.25	3.10E	1.20	4.44	2.38	2.84N	1.398	29
30	0.4068		62.9 B	85.3	22.5	3.86	3.30E	1.10	4.44	2.31	2.86N	1.448	30
31	0.4408		49.8 B		19.6		3.23E	1.09		2.13		1.418	31
TOTAL	18.999	9.560	156.462	1 705.2	2 481.6	222.79	125.85	67.27	60.429	111.66	75.17	60.87	TOTAL
MEAN	0.845	0.361	5.05	56.8	78.8	7.43	4.06	2.17	2.01	3.60	2.51	1.97	MEAN
MAX	0.837	0.613	49.8	85.3	131	17.0	6.87	3.54	4.44	5.16	2.99	2.77	MAX
MIN	0.281	0.084	0.065	43.1	19.6	3.86	2.37	1.09	0.995	2.13	1.87	1.39	MIN

SUMMARY FOR THE YEAR 1986

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 131 ON MAY 5
MINIMUM DAILY, 0.0650 ON MAR 10
MAXIMUM INSTANTANEOUS,
132 AT 10.20 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 20 N
LONG 95 57 20 W
DRAINAGE AREA, 3 730 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 730	JUL	10 800
FEB	824	AUG	5 810
MAR	13 500	SEP	5 220
APR	147 000	OCT	9 630
MAY	211 000	NOV	6 480
JUN	19 200	DEC	5 270

TOTAL DISCHARGE, 437 000 dam³

WHITEMUD RIVER ABOVE MESFORD RESERVOIR - STATION NO. 05LL012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	---	---	0.5370	3.84 B	0.906	0.205	0.324	0.227	0.219	0.293	---	---	1
2	---	---	0.5350	4.84 B	0.994	0.197	0.301	0.217	0.229	0.293	---	---	2
3	---	---	0.5350	5.84 B	0.918	0.188	0.288	0.207	0.229	0.297	---	---	3
4	---	---	0.5330	8.38 B	0.786	0.188	0.303	0.208	0.233	0.306	---	---	4
5	---	---	0.5310	5.35	1.22 A	0.182	0.317	0.201	0.241	0.303	---	---	5
6	---	---	0.5310	4.69	1.73 A	0.204	0.316	0.203	0.244	0.299	---	---	6
7	---	---	0.5290	2.97	1.57	0.221	0.310	0.230	0.240	0.300	---	---	7
8	---	---	0.5270	2.21	1.19	0.197	0.303	0.232	0.237	0.298	---	---	8
9	---	---	0.5250	1.76	1.05	0.183	0.304	0.214	0.243	0.300	---	---	9
10	---	---	0.5250	1.65	1.05	0.171	0.301	0.202	0.250	0.305	---	---	10
11	---	---	0.5230	1.20	1.02	0.203	0.300	0.198	0.245	0.325	---	---	11
12	---	---	0.5210	0.9439	0.994	0.205	0.373	0.195	0.245	0.325	---	---	12
13	---	---	0.5210	0.7940	1.07	0.205	0.377	0.194	0.250	0.300	---	---	13
14	---	---	0.5190	0.7070	1.15	0.216	0.354	0.191	0.256	0.287	---	---	14
15	---	---	0.5230	0.6730	1.10	0.261	0.330	0.194	0.250	0.291	---	---	15
16	---	---	0.5290	0.6630	0.953	0.267	0.317	0.181	0.267	0.288	---	---	16
17	---	---	0.5410	0.665	0.815	0.268	0.318	0.176	0.280	0.285	---	---	17
18	---	---	0.5560	0.839	0.806	0.262	0.331	0.176	0.281	0.291	---	---	18
19	---	---	0.5650	1.38	0.674	0.264	0.324	0.176	0.293	0.286	---	---	19
20	---	---	0.6050	1.33	0.580	0.285	0.290	0.172	0.320	0.297	---	---	20
21	---	---	0.7140	1.13	0.481	0.287	0.291	0.200	0.298	0.291	---	---	21
22	---	---	2.06 B	1.02	0.412	0.278	0.282	0.199	0.311	0.291	---	---	22
23	---	---	2.06 B	0.881	0.373	0.271	0.275	0.188	0.335	0.285	---	---	23
24	---	---	1.38 B	0.842	0.346	0.269	0.267	0.194	0.288	0.280	---	---	24
25	---	---	1.03 B	0.875	0.315	0.271	0.258	0.217	0.299	0.282	---	---	25
26	---	---	0.8480	0.827	0.284	0.353	0.271	0.211	0.339	0.286	---	---	26
27	---	---	1.04 B	0.701	0.273	0.374	0.280	0.210	0.353	0.284	---	---	27
28	---	---	1.22 B	0.573	0.253	0.362	0.287	0.210	0.335	0.283	---	---	28
29	---		1.60 B	0.710	0.240	0.351	0.281	0.211	0.317	0.281	---	---	29
30	---		2.04 B	0.816	0.226	0.328	0.265	0.217	0.302	0.277	---	---	30
31	---		2.66 B		0.215		0.231	0.219		0.284		---	31
TOTAL	---	---	28.379	59.245	24.081	7.500	9.470	6.267	8.234	9.602	---	---	TOTA
MEAN	---	---	0.915	1.97	0.777	0.250	0.305	0.202	0.274	0.293	---	---	MEA
MAX	---	---	2.06	8.38	1.73	0.374	0.380	0.232	0.353	0.325	---	---	MAX
MIN	---	---	0.510	0.663	0.215	0.171	0.231	0.172	0.219	0.277	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.622
MAXIMUM DAILY, 8.388 ON APR 4
MINIMUM DAILY, 0.171 ON JUN 10
MAXIMUM INSTANTANEOUS,
10.4 AT 12:36 CST ON APR 4

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 54 N
LONG 99 23 55 W
DRAINAGE AREA, 415 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	818
FEB	---	AUG	541
MAR	2 450	SEP	711
APR	5 120	OCT	785
MAY	2 080	NOV	---
JUN	648	DEC	---

TOTAL DISCHARGE, 13 200 dam³

WHITEMUD RIVER AT WESTBOURNE - STATION NO. 05LL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	1.01 B	0.8320	0.7740	62.20	29.5	23.3	8.40	5.64	1.38	2.95	2.29	1.55 B	1
2	1.03 B	0.8440	0.7500	89.00	29.9	22.8	7.92	5.00	1.36	3.20	2.20 A	1.85 B	2
3	0.9488	0.8550	0.7560	80.8	29.0	21.7	7.55	4.58	1.35	3.37	2.31 E	1.74 B	3
4	0.9558	0.8650	0.7670	52.8	26.0	21.3	7.10	4.37	1.27	3.26	2.53 E	1.63 B	4
5	0.8098	0.9780	0.8360	43.8	28.4	20.6	6.72	3.81	1.24 A	3.25	2.68 A	1.72 B	5
6	0.8208	0.8688	0.8868	36.8	67.0	19.7	6.47	3.86	1.14 E	3.23	3.09	1.87 B	6
7	0.8008	1.00 B	1.51 B	33.2	77.1	19.3	6.40	3.84A	1.11 E	3.26	3.81	1.81 B	7
8	0.8788	1.01 B	1.62 B	29.4	76.0	18.9	6.81	3.82	1.08 E	3.30	0.882	1.78 B	8
9	0.8198	1.02 B	1.41 B	25.7	67.8	18.6	6.84	3.89	1.06 E	3.27	1.16	1.61 B	9
10	0.8258	1.03 B	1.18 B	22.2	56.9	18.1	6.86	3.69	1.03 E	3.22	1.32 B	1.48 B	10
11	0.8358	1.05 B	1.07 B	18.5	47.4	17.9	7.85	3.51	0.9982	3.26	2.35 B	1.48 B	11
12	0.8618	1.06 B	0.9660	17.6	42.8	17.1	8.13	3.29	0.9525	3.22	2.56 B	1.37 B	12
13	0.8548	1.07 B	0.9388	18.1	38.8	16.5	10.2	3.10	0.937N	3.31	2.79 B	1.24 B	13
14	0.8468	1.08 B	0.8568	14.4	35.3	15.8	12.0	2.86	0.9238	3.27	2.51 B	1.23 B	14
15	0.8388	1.04 B	0.9028	11.2	32.7	15.4	12.3	2.71	0.9068	3.26	1.91 B	1.09 B	15
16	0.8308	0.8948	0.8778	12.2	31.1	14.8	12.2	2.61	0.8945	3.42	1.65 B	0.9930	16
17	0.7928	0.8518	0.8688	12.3	30.0	13.9	12.6	2.65	0.8798	3.40	1.52 B	0.9538	17
18	0.7958	0.9068	0.8098	16.8	28.9	13.3	13.0	2.28	0.8648	3.74	1.38 B	0.9918	18
19	0.8748	0.8658	1.01 B	36.8	26.0	12.5	12.5	2.24	0.8508	3.86	1.48 B	0.8428	19
20	0.8338	0.8228	1.66 B	30.8	27.3	12.0	13.4	2.20	0.8358	3.85	1.60 B	0.8728	20
21	0.7958	0.7788	1.03 B	28.1	26.4	11.6	14.0	2.06	0.8218	3.78	1.43 B	0.8488	21
22	0.7958	0.7088	1.25 B	25.2	25.5	11.1	14.3	1.84	0.8218	3.66	1.25 B	0.8898	22
23	0.8898	0.7088	1.17 B	21.5	25.5	10.6	13.1	1.89	0.8508	3.46	1.31 B	0.8078	23
24	1.00 B	0.8858	0.84 B	28.3	25.4	10.2	10.3	1.83	0.8798	3.38	1.32 B	0.8218	24
25	0.8178	0.8118	0.84 B	23.4	25.5	9.56	8.85	1.83	0.8248	3.21	1.46 B	0.8238	25
26	0.8648	0.7828	4.60 B	20.7	25.7	9.60	7.78	1.79	1.17	3.07	1.47 B	0.8288	26
27	0.8758	0.7448	17.8 B	19.0	25.2	9.43	7.33	1.68	2.21	2.98	1.41 B	0.8218	27
28	0.8678	0.7508	41.5 B	17.8	24.6	8.90	6.84	1.71	2.68	2.82	1.41 B	0.8088	28
29	0.8888		44.8 B	17.4	24.2	8.80	6.47	1.85	3.01	2.72	1.43 B	0.8018	29
30	0.8088		53.1 B	20.3	23.7	8.87	6.10	1.82	2.88	2.78	1.52 B	0.8288	30
31	0.8218		53.8 B		23.3		5.716	1.40		2.87		0.8488	31
TOTAL	27.182	25.882	260.982	849.5	1 105.3	452.44	283.11	88.48	37.408	101.89	56.902	37.736	TOTA
MEAN	0.877	0.925	8.42	29.5	35.7	15.1	9.13	2.86	1.25	3.28	1.88	1.22	MEA
MAX	1.03	1.08	53.8	89.0	77.1	23.3	14.3	5.64	3.81	3.86	3.81	1.81	MAX
MIN	0.788	0.788	0.760	11.2	23.3	8.80	5.71	1.40	0.821	2.87	0.882	0.828	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.21
MAXIMUM DAILY, 77.1 ON MAY 7
MINIMUM DAILY, 0.882 ON NOV 6
MAXIMUM INSTANTANEOUS,
78.5 AT 22:48 CST ON MAY 7

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 03 N
LONG 98 35 00 W
DRAINAGE AREA, 6 340 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 350	JUL	24 500
FEB	2 240	AUG	7 730
MAR	22 500	SEP	3 230
APR	76 400	OCT	8 790
MAY	95 500	NOV	4 880
JUN	39 100	DEC	3 260

TOTAL DISCHARGE, 290 000 dam³

WHITEMUD RIVER ROAD CREEK - STATION NO. 05LL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2510	0.2680	0.2280	38.5	6.76	1.07	0.486	0.340	0.105	0.380	0.362	0.3648	1
2	0.2560	0.2730	0.2270	28.0	7.84	0.987	0.471	0.310	0.109	0.302	0.368	0.3908	2
3	0.2500	0.2670	0.2310	22.5	7.00	0.813	0.397	0.295	0.111	0.320	0.354	0.3978	3
4	0.2460	0.2710	0.2360	18.4	6.31	0.827	0.390	0.281	0.123	0.315	0.361	0.4808	4
5	0.2470	0.2710	0.2470	15.3	8.39	0.824	0.434	0.358	0.118	0.294	0.362	0.5838	5
6	0.2470	0.2700	0.2430	13.2	20.5	0.757	0.420	0.385	0.127	0.276	0.381	0.5528	6
7	0.2430	0.2710	0.2360	11.5	28.8	0.729	0.429	0.458	0.143	0.269	0.371	0.4728	7
8	0.2460	0.2640	0.2110	9.76	22.7	0.686	0.544	0.3074	0.147	0.289	0.207	0.4318	8
9	0.2540	0.2800	0.2020	8.24	21.9	0.721	0.820	0.265	0.163	0.272	0.2808	0.3938	9
10	0.2530	0.2760	0.2188	6.84	18.8	0.703	1.14	0.288	0.142	0.275	0.3588	0.3478	10
11	0.2620	0.2700	0.2520	5.82	18.0	0.647	1.40	0.251	0.151	0.288	0.2388	0.3318	11
12	0.2680	0.2710	0.2540	4.85	15.3	0.651	2.63	0.223	0.183	0.433	0.1568	0.3358	12
13	0.2710	0.2720	0.2510	3.81	13.5	0.556	3.35	0.201	0.163	0.384	0.1848	0.3408	13
14	0.2750	0.2700	0.2370	2.078	11.3	0.523	2.66	0.186	0.185	0.342	0.3938	0.3388	14
15	0.2900	0.2580	0.2520	1.088	9.70	0.576	2.58	0.169	0.174	0.333	0.3128	0.3448	15
16	0.2810	0.2520	0.2680	1.388	8.51	0.539	2.61	0.173	0.175	0.330	0.2638	0.3298	16
17	0.2930	0.2520	0.2880	1.488	7.70	0.513	2.67	0.157	0.185	0.562	0.2358	0.3428	17
18	0.2900	0.2408	0.3058	3.03	6.57	0.528	2.50	0.150	0.150	0.503	0.1868	0.3368	18
19	0.2950	0.2400	0.3568	7.92	5.67	0.521	2.08	0.141	0.153	0.469	0.1678	0.3328	19
20	0.2980	0.2438	0.4848	11.8	4.93	0.563	1.79	0.145	0.134	0.461	0.2158	0.3288	20
21	0.3008	0.2528	0.4848	12.4	4.14	0.529	1.35	0.115	0.142	0.446	0.2348	0.3188	21
22	0.2958	0.2538	1.168	11.2	3.28	0.492	1.06	0.118	0.144	0.436	0.2418	0.3088	22
23	0.2888	0.2618	2.658	9.86	2.65	0.480	0.815	0.112	0.151	0.427	0.2468	0.3058	23
24	0.2888	0.2500	2.038	7.45	2.90	0.433	0.802	0.111	0.150	0.424	0.2588	0.2958	24
25	0.2968	0.2340	16.38	6.28	1.71	0.360	0.597	0.103	0.125	0.398	0.2848	0.2938	25
26	0.2828	0.2218	13.28	4.95	1.65	0.506	0.673	0.119	0.152	0.373	0.3038	0.2958	26
27	0.2668	0.2268	12.38	4.00	1.32	0.576	0.565	0.112	0.430	0.402	0.3048	0.2888	27
28	0.2600	0.2288	11.78	3.63	1.21	0.501	0.485	0.118	0.450	0.357	0.3068	0.2838	28
29	0.2778		15.68	3.39	1.33	0.530	0.443	0.092	0.340	0.336	0.3078	0.2798	29
30	0.2758		27.08	4.55	1.29	0.500	0.413	0.089	0.487	0.327	0.3268	0.2868	30
31	0.2728		37.1		1.16		0.370	0.102		0.369		0.2858	31
TOTAL	8.470	7.231	144.780	283.93	272.00	18.764	37.556	6.465	5.456	11.387	8.600	11.007	TOTAL
MEAN	0.273	0.258	4.67	9.46	8.77	0.625	1.21	0.208	0.182	0.367	0.287	0.355	MEAN
MAX	0.300	0.275	37.1	38.5	28.8	1.07	3.35	0.458	0.487	0.562	0.393	0.583	MAX
MIN	0.243	0.221	0.202	1.08	1.16	0.360	0.370	0.092	0.105	0.269	0.156	0.279	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 2.33
MAXIMUM DAILY 38.5 ON APR 1
MINIMUM DAILY 0.092 ON AUG 29
MAXIMUM INSTANTANEOUS
48.7 AT 22:16 CST ON MAR 31

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 15 N
LONG 99 06 10 W
DRAINAGE AREA 1 750 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	732	JUL	3 250
FEB	624	AUG	557
MAR 12	500	SEP	471
APR 24	500	OCT	984
MAY 23	500	NOV	743
JUN	1 620	DEC	951

TOTAL DISCHARGE 70 400 dam³

WHITEMUD RIVER NEAR BEEMAN - STATION NO. 05LL011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2280	6.77	1.52	0.221	0.294	0.185	0.169	0.185	---	---	1
2	---	---	0.2230	5.45	2.00	0.229	0.256	0.171	0.166	0.174	---	---	2
3	---	---	0.2200	5.35	2.00	0.224	0.237	0.182	0.165	0.180	---	---	3
4	---	---	0.2206	5.20	1.76	0.202	0.273	0.233	0.162	0.181	---	---	4
5	---	---	0.2176	5.13	2.03	0.205	0.461	0.204	0.168	0.173	---	---	5
6	---	---	0.2140	5.06	4.04	0.210	0.562	0.215	0.178	0.178	---	---	6
7	---	---	0.2140	4.56	5.97	0.224	0.614	0.237	0.163	0.178	---	---	7
8	---	---	0.2178	3.67	4.13	0.186	0.409	0.185	0.163	0.169	---	---	8
9	---	---	0.2206	3.53	3.39	0.186	0.324	0.187	0.173	0.193	---	---	9
10	---	---	0.2230	3.05	3.24	0.203	0.885	0.182	0.183	0.211	---	---	10
11	---	---	0.2260	2.65	3.22	0.189	0.702	0.166	0.175	0.225	---	---	11
12	---	---	0.2258	2.478	2.76	0.204	0.540	0.167	0.177	0.207	---	---	12
13	---	---	0.2428	2.228	2.37	0.174	0.558	0.173	0.176	0.210	---	---	13
14	---	---	0.2708	1.978	1.98	0.178	0.607	0.175	0.176	0.238	---	---	14
15	---	---	0.5648	1.858	1.72	0.202	0.570	0.172	0.178	0.214	---	---	15
16	---	---	0.5338	1.538	1.45	0.204	0.583	0.168	0.180	0.219	---	---	16
17	---	---	0.4788	1.26	1.29	0.208	0.524	0.169	0.197	0.265	---	---	17
18	---	---	0.4048	1.70	1.17	0.211	0.483	0.171	0.192	0.257	---	---	18
19	---	---	0.3618	2.60	1.12	0.216	0.545	0.173	0.197	0.234	---	---	19
20	---	---	0.3188	4.28	1.01	0.277	0.442	0.158	0.194	0.223	---	---	20
21	---	---	0.3318	3.46	0.900	0.237	0.382	0.168	0.198	0.221	---	---	21
22	---	---	2.128	2.76	0.770	0.205	0.341	0.166	0.189	0.237	---	---	22
23	---	---	1.748	2.32	0.654	0.174	0.332	0.165	0.195	0.227	---	---	23
24	---	---	1.568	1.86	0.542	0.158	0.273	0.170	0.247	0.223	---	---	24
25	---	---	1.558	1.66	0.504	0.178	0.246	0.165	0.272	0.223	---	---	25
26	---	---	1.528	1.46	0.476	0.252	0.254	0.160	0.238	0.239	---	---	26
27	---	---	2.668	1.36	0.458	0.281	0.227	0.174	0.216	0.248	---	---	27
28	---	---	4.05	1.28	0.413	0.324	0.248	0.173	0.211	0.258	---	---	28
29	---		7.88	1.24	0.355	0.308	0.225	0.175	0.203	0.245	---	---	29
30	---		14.7	1.50	0.320	0.314	0.201	0.165	0.197	0.246	---	---	30
31	---		12.2		0.281		0.193	0.168		0.260	---	---	31
TOTAL	---	---	96.858	80.62	54.173	5.834	12.661	5.000	5.708	6.758	---	---	TOTAL
MEAN	---	---	1.86	3.02	1.75	0.221	0.409	0.161	0.190	0.218	---	---	MEAN
MAX	---	---	14.7	6.77	5.97	0.324	0.702	0.237	0.272	0.280	---	---	MAX
MIN	---	---	0.214	1.24	0.281	0.158	0.193	0.158	0.162	0.165	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.576
MAXIMUM DAILY 14.7 ON MAR 30
MINIMUM DAILY 0.158 ON JUN 26
MAXIMUM INSTANTANEOUS
15.4 AT 17:47 CST ON MAR 30

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 34 N
LONG 99 27 17 W
DRAINAGE AREA 885 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 100
FEB	---	AUG	484
MAR 4	920	SEP	483
APR 7	830	OCT	584
MAY 4	680	NOV	---
JUN	573	DEC	---

TOTAL DISCHARGE 20 700 dam³

WHITESHELL LAKE AT CAMPGROUND - STATION NO. 05PC001

DAILY WATER LEVEL IN METRES FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	310.547E	310.620E	310.384E	310.326E	---	---	---	---	1
2	---	---	---	---	310.578E	310.607	310.384E	310.324	---	---	---	---	2
3	---	---	---	---	310.604E	310.561E	310.404	310.323E	---	---	---	---	3
4	---	---	---	---	310.633E	310.555	310.378E	310.322	310.224	---	---	---	4
5	---	---	---	---	310.691E	310.543E	310.354	310.320E	310.218E	---	---	---	5
6	---	---	---	---	310.690E	310.531E	310.349E	310.318E	310.212E	---	---	---	6
7	---	---	---	---	310.710	310.518E	310.344	310.316E	310.206E	---	---	---	7
8	---	---	---	---	310.750	310.507	310.334E	310.314	310.198E	---	---	---	8
9	---	---	---	---	310.765E	310.495	310.324	310.308E	310.192	---	---	---	9
10	---	---	---	---	310.780E	310.480E	310.314E	310.297	310.186E	---	---	---	10
11	---	---	---	---	310.795E	310.485	310.304	310.287E	310.183E	---	---	---	11
12	---	---	---	---	310.810	310.455E	310.308E	310.286E	310.178	---	---	---	12
13	---	---	---	---	310.810E	310.464	310.315	310.285E	310.172E	---	---	---	13
14	---	---	308.891	---	310.810	310.436E	310.315E	310.284	310.165	---	---	---	14
15	---	---	---	310.287	310.794E	310.424	310.314	310.284	310.170E	310.104	---	---	15
16	---	---	---	310.288E	310.777E	310.423E	310.310E	310.287E	310.174E	---	---	---	16
17	---	---	---	310.305E	310.760E	310.422	310.319	310.278	310.179	---	---	---	17
18	---	---	---	310.314E	310.743	310.414E	310.322E	---	310.174	---	---	---	18
19	---	---	---	310.323E	310.737E	310.406	310.326	---	310.174E	---	---	---	19
20	---	---	---	310.332E	310.731E	310.414E	310.321E	---	310.174E	---	---	---	20
21	---	---	---	310.341E	310.725E	310.422	310.316	---	310.174E	---	---	---	21
22	---	---	---	310.350E	310.719E	310.386	310.316E	---	310.174E	---	---	---	22
23	---	---	---	310.359E	310.713E	310.385E	310.315E	---	310.174E	---	---	---	23
24	---	---	---	310.368	310.707E	310.384	310.310	---	310.174E	---	---	---	24
25	---	---	---	310.388E	310.701E	310.388E	310.310E	---	310.174E	---	---	---	25
26	---	---	---	310.408E	310.694	310.392	310.324	---	310.174E	---	---	---	26
27	---	---	---	310.428E	310.683E	310.383E	310.328E	---	310.174E	---	---	---	27
28	---	---	---	310.448	310.672	310.374E	310.334	---	310.174E	---	---	---	28
29	---		---	310.483E	310.658E	310.384	310.333E	---	310.174	---	---	---	29
30	---		---	310.519	310.644E	310.374E	310.330E	---	---	---	---	---	30
31	---		---		310.633E		310.328	---		---	---	---	31
MEAN	---	---	---	---	310.711	310.483	310.332	---	---	---	---	---	MEAN
MAX	---	---	---	---	310.810	310.620	310.404	---	---	---	---	---	MAX
MIN	---	---	---	---	310.547	310.384	310.304	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 05 00 N
LONG 95 21 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITESHELL RIVER AT OUTLET OF JESSICA LAKE - STATION NO. 05PC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1985

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.08E	2.90	2.34	3.32	15.0	13.5	1.51	1.17	0.684	3.03	0.379	0.6858	1
2	4.04E	2.93	2.33	3.52	16.5	13.0	1.21	1.16	0.701	7.03	0.389	0.7248	2
3	4.00E	2.96	2.32	3.79	16.1	12.2	1.25	1.13	0.706	6.76	0.373	0.7568	3
4	3.98E	2.96	2.31	4.11	16.0	11.5	1.27	1.12	0.686	5.01	0.385	0.7508	4
5	3.86E	2.89	2.30	4.69	15.3	11.1	1.28	1.11	0.680	4.20	0.428	0.7448	5
6	3.92E	2.83	2.34	5.24	15.7	10.0	1.14	1.10	0.686	3.97	0.408	0.7568	6
7	3.86E	2.85	2.33	5.80	15.7	8.50	1.01	1.08	0.650	3.68	0.432	0.7568	7
8	3.82E	2.83	2.35	6.32	19.1	8.24	1.01	1.06	0.652	3.27	0.550	0.7778	8
9	3.80E	2.80	2.36	6.70	21.2	7.95	1.00	1.01	0.662	3.18	0.557	0.7778	9
10	3.78E	2.78	2.36	6.86	23.4	7.10	1.03	0.973	0.672	3.06	0.590	0.7868	10
11	3.76E	2.72	2.39	7.23	23.1	6.56	1.06	0.995	0.676	2.76	0.570	0.8458	11
12	3.68E	2.68	2.38	7.35	23.0	4.56	1.06	0.980	0.678	2.69	0.603	0.8158	12
13	3.64E	2.63	2.38	7.42	22.7	3.84	1.06	0.981	0.696	2.65	0.624	0.8138	13
14	3.60E	2.66	2.37	7.53	22.5	3.18	1.06	0.982	0.670	2.60	0.656	0.8038	14
15	3.56E	2.63	2.38	7.68	22.6	3.33	1.06	0.987	0.652	2.57	0.648	0.7908	15
16	3.50A	2.52	2.30	5.81	22.1	3.32	1.02	0.837	0.654	2.51	0.633	0.7858	15
17	3.55	2.55	2.32	4.16	21.7	3.41	1.20	0.886	0.701	2.50	0.658	0.7958	17
18	3.55	2.54	2.32	4.75	21.1	3.34	1.15	0.856	0.695	2.47	0.673	0.7868	18
19	3.57	2.52	2.31	5.24	21.0	2.79	1.06	0.891	0.700	2.37	0.664	0.7868	19
20	3.58	2.59	2.30	5.62	21.1	2.24	1.01	0.835	0.662	2.30	0.705	0.7928	20
21	3.57	2.48	2.33	5.86	20.6	2.28	0.978	0.803	0.703	2.31	0.693	0.7728	21
22	3.47	2.41	2.35	6.22	20.5	2.25	1.02	0.800	0.742	2.25	0.657	0.7858	22
23	3.43	2.37	2.33	6.36	18.6	2.16	0.932	0.810	0.743	2.25	0.677	0.7838	23
24	3.48	2.36	2.30	6.42	18.5	2.13	0.889	0.772	0.741	2.24	0.698	0.7938	24
25	3.38	2.31	2.37	6.76	16.6	2.05	1.19	0.738	0.803	2.21	0.685	0.7678	25
26	3.25	2.33	2.45	7.80	16.5	2.00	1.25	0.761	0.816	2.20	0.706	0.7688	26
27	3.15	2.34	2.45	8.42	16.6	2.08	1.33	0.715	0.805	1.30	0.730	0.7848	27
28	3.06	2.34	2.61	9.30	16.2	1.85	1.33	0.714	0.771	0.421	0.724	0.7958	28
29	3.00		4.83	10.2	15.7	1.90	1.21	0.712	0.805	0.397	0.7238	0.7178	29
30	2.95		3.78	10.8	14.6	1.87	1.20	0.695	0.845	0.386	0.6988	0.7638	30
31	2.88		3.01		14.2		1.16	0.706		0.383		0.7938	31
TOTAL	110.83	73.60	72.67	191.61	595.6	189.44	35.009	28.651	21.345	84.787	17.853	23.935	TOTAL
MEAN	3.58	2.63	2.38	6.39	19.2	6.31	1.13	0.816	0.712	2.74	0.588	0.772	MEAN
MAX	4.08	2.96	3.01	10.8	23.4	13.5	1.51	1.17	0.845	7.03	0.724	0.845	MAX
MIN	2.88	2.31	2.27	3.32	14.2	1.87	0.889	0.695	0.652	0.383	0.373	0.685	MIN

DISCHARGES IN CUBIC METRES PER SECOND
MEAN 3.83
MAXIMUM DAILY 23.4 ON MAY 10
MINIMUM DAILY 0.373 ON NOV 2
MAXIMUM INSTANTANEOUS
24.4 AT 23 33 CST ON MAY 9

SUMMARY FOR THE YEAR 1985

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 20 N
LONG 95 30 20 W
DRAINAGE AREA 884 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 580	JUL	3 020
FEB	6 340	AUG	2 460
MAR	6 280	SEP	1 840
APR	16 500	OCT	7 330
MAY	51 500	NOV	1 550
JUN	13 600	DEC	2 070

TOTAL DISCHARGE, 122 000 dam³

WHITEWATER LAKE NEAR BOISSEVAIN - STATION NO. 05MG023

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	495.875	495.798	495.724	495.601	495.581	---	---	1
2	---	---	---	---	---	495.881	495.801	495.735	495.605	495.586	---	---	2
3	---	---	---	---	---	495.864	495.805	495.731	495.579	495.588	---	---	3
4	---	---	---	---	---	495.870	495.803	495.731	495.549	495.586	495.566A	---	4
5	---	---	---	---	---	495.883	495.797	495.723	495.584	495.575	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	495.862	495.782	495.718	495.580	495.593	---	---	7
8	---	---	---	---	---	495.852	495.791	495.897	495.576	495.572	---	---	8
9	---	---	---	---	---	495.866	495.785	495.706	495.588	495.578	---	---	9
10	---	---	---	---	---	495.858	495.785	495.690	495.588	495.637	---	---	10
11	---	---	---	---	---	495.850	495.782	495.688	495.578	495.649	---	---	11
12	---	---	---	---	---	495.887	495.782	495.704	495.578	495.558	---	---	12
13	---	---	---	---	---	495.814	495.784	495.707	495.854	495.581	---	---	13
14	---	---	---	---	---	495.837	495.788	495.692	495.575	495.588	---	---	14
15	---	---	---	---	---	495.835	495.788	495.678	495.573	495.568	---	---	15
					495.874A	495.838	495.786	495.673	495.572A	495.581	---	---	
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	495.849	495.846	495.788	495.653	495.571E	495.583	---	---	17
18	---	---	---	---	495.838	495.853	495.799	495.661	495.570E	490.605	---	---	18
19	---	---	---	---	495.865	495.843	495.805	495.671	495.569E	495.591	---	---	19
20	---	---	---	---	495.867	495.844	495.782	495.655	495.575E	495.578	---	---	20
					495.850	495.850	495.793	495.622	495.603E	495.582	---	---	
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	495.856	495.867	495.793	495.680	495.588E	495.586	---	---	22
23	---	---	---	---	495.851	495.835	495.784	495.653	495.574A	495.566	---	---	23
24	---	---	---	---	495.818	495.825	495.786	495.673	495.578	495.575	---	---	24
25	---	---	---	---	495.805	495.800	495.768	495.674	495.574	495.578	---	---	25
					495.810	495.833	495.777	495.629	495.622	495.581	---	---	
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	495.908	495.823	495.769	495.628	495.576	495.575	---	---	27
28	---	---	---	---	495.907	495.811	495.762	495.633	495.582	495.587	---	---	28
29	---	---	---	---	495.906	495.802	495.767	495.641	495.581	495.544	---	---	29
30	---	---	---	---	495.899	495.813	495.766	495.637	495.580	495.567	---	---	30
31	---	---	---	---	495.892	495.805	495.724	495.633	495.580	495.584	---	---	31
					495.875		495.738	495.606		495.470			
MEAN	---	---	---	---	---	495.846	495.783	495.676	495.580	495.576	---	---	MEAN
MAX	---	---	---	---	---	495.906	495.805	495.735	495.622	495.637	---	---	MAX
MIN	---	---	---	---	---	495.802	495.724	495.606	495.549	495.470	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 26 N
LONG 100 19 29 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WILD GOOSE CREEK NEAR DEAD CREEK NORTH OF PINAWA - STATION NO. 05PF066

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.040	0.016	0	0	0	0	0	0	0	1
2	0	0	0	0.026	0.010	0	0	0	0	0	0	0	2
3	0	0	0	0.017	0.006	0	0	0	0	0	0	0	3
4	0	0	0	0.016	0.005	0	0	0	0	0	0	0	4
5	0	0	0	0.010	0.005	0	0	0	0	0	0	0	5
6	0	0	0	0.008	0.004	0	0	0	0	0	0	0	6
7	0	0	0	0.008	0.003	0	0	0	0	0	0	0	7
8	0	0	0	0.006	0.003	0	0	0	0	0	0	0	8
9	0	0	0	0.005	0.002	0	0	0	0	0	0	0	9
10	0	0	0	0.004	0.002	0	0	0	0	0	0	0	10
11	0	0	0	0.004	0.002	0	0	0	0	0	0	0	11
12	0	0	0	0.005	0.003	0	0	0	0	0	0	0	12
13	0	0	0	0.005	0.003	0	0	0	0	0	0	0	13
14	0	0	0	0.004	0.002	0	0	0	0	0	0	0	14
15	0	0	0	0.003	0.002	0	0	0	0	0	0	0	15
16	0	0	0	0.001	0.002	0	0	0	0	0	0	0	16
17	0	0	0	0.001	0.001	0	0	0	0	0	0	0	17
18	0	0	0	0.001	0.001	0	0	0	0	0	0	0	18
19	0	0	0	0.003	0.001	0	0	0	0	0	0	0	19
20	0	0	0	0.004	0.001	0	0	0	0	0	0	0	20
21	0	0	0	0.003	0.001	0	0	0	0	0	0	0	21
22	0	0	0	0.003	0.001	0	0	0	0	0	0	0	22
23	0	0	0	0.003	0	0	0	0	0	0	0	0	23
24	0	0	0	0.004	0	0	0	0	0	0	0	0	24
25	0	0	0	0.003	0	0	0	0	0	0	0	0	25
26	0	0	0	0.015	0	0	0	0	0	0	0	0	26
27	0	0	0	0.028	0	0	0	0	0	0	0	0	27
28	0	0	0	0.032	0	0	0	0	0	0	0	0	28
29	0		0	0.027	0	0	0	0	0	0	0	0	29
30	0		0.007	0.021	0	0	0	0	0	0	0	0	30
31	0		0.014	0.014	0	0	0	0	0	0	0	0	31
			0.050		0		0	0		0		0	
TOTAL	0	0	0.071	0.291	0.076	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.002	0.010	0.002	0	0	0	0	0	0	0	MEAN
MAX	0	0	0.050	0.040	0.016	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0.001	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.001
MAXIMUM DAILY 0.050 ON MAR 31
MINIMUM DAILY 0 ON JAN 1
MAXIMUM INSTANTANEOUS 0.058 ON MAR 31

DATA CONTRIBUTED BY -
ATOMIC ENERGY OF CANADA

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 00 N
LONG 95 52 54 W
DRAINAGE AREA 0.43 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0.13	SEP	0
APR	25.7	OCT	0
MAY	6.67	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE 38.4 dam³

WILLOW CREEK NEAR CHATER - STATION NO. 05MH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0018	7.80	0.875	0.295	0.029	0.002	0	0	---	---	1
2	---	---	0.0018	5.85	0.860	0.240	0.010	0.002	0	0	---	---	2
3	---	---	0.0018	4.90	0.791	0.228	0.002	0.001	0	0	---	---	3
4	---	---	0.0018	4.22	0.761	0.200	0.002	0.003	0	0	---	---	4
5	---	---	0.0018	3.52	1.93	0.182	0.016	0.002	0	0	---	---	5
6	---	---	0.0018	2.94	13.8	0.177	0.006	0.003	0	0	---	---	6
7	---	---	0.0018	2.54	7.53	0.176	0.001	0.004	0	0	---	---	7
8	---	---	0.0018	2.05	4.51	0.155	0.001	0.001	0	0	---	---	8
9	---	---	0.0018	1.67 A	3.64	0.136	0	0.001	0	0	---	---	9
10	---	---	0.0018	1.40 A	3.53	0.097	0.288	0.001	0	0	---	---	10
11	---	---	0.0018	1.18	3.60	0.077	0.476	0	0	0	---	---	11
12	---	---	0.0018	0.974	3.05	0.060	0.366	0	0	0	---	---	12
13	---	---	0.0020	0.835	2.62	0.037	0.250	0	0	0	---	---	13
14	---	---	0.0058	0.723	2.25	0.008	0.206	0.124	0	0	---	---	14
15	---	---	0.0070	0.624	1.93	0.008	0.232	0.124	0	0	---	---	15
16	---	---	0.0068	0.564	1.61	0.011	0.171	0.048	0	0	---	---	16
17	---	---	0.0058	0.584	1.36	0.008	0.172	0.031	0	0	---	---	17
18	---	---	0.0058	0.884	1.20	0.003	0.178	0.026	0	0	---	---	18
19	---	---	0.0068	4.22	1.06	0.015	0.110	0.016	0	0	---	---	19
20	---	---	0.0048	4.15	0.958	0.098	0.080	0.008	0	0	---	---	20
21	---	---	0.0478	2.60	0.853	0.053	0.058	0.002	0	0	---	---	21
22	---	---	1.56 B	1.70	0.786	0.043	0.041	0.002	0	0	---	---	22
23	---	---	4.51 B	1.45	0.720	0.013	0.025	0.001	0	0	---	---	23
24	---	---	5.90 B	1.26	0.649	0.007	0.022	0.001	0	0	---	---	24
25	---	---	6.62 B	1.16	0.588	0.006	0.018	0	0	0	---	---	25
26	---	---	3.81 B	1.04	0.540	0.017	0.010	0	0	0	---	---	26
27	---	---	4.50 B	0.984	0.502	0.027	0.009	0	0	0	---	---	27
28	---	---	16.3 B	0.921	0.478	0.019	0.008	0	0	0	---	---	28
29	---		21.5 B	0.856	0.442	0.011	0.007	0	0	0	---	---	29
30	---		12.3	0.863	0.388	0.007	0.004	0	0	0	---	---	30
31	---		9.03		0.340		0.002	0		0	---		31
TOTAL	---	---	90.129	64.586	64.722	2.400	2.797	0.404	0	0	---	---	TOTA
MEAN	---	---	2.81	2.15	2.09	0.080	0.090	0.013	0	0	---	---	MEAN
MAX	---	---	21.5	7.80	13.8	0.295	0.476	0.124	0	0	---	---	MAX
MIN	---	---	0.001	0.564	0.340	0.003	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.616
MAXIMUM DAILY, 21.58 ON MAR 29
MINIMUM DAILY, 0 ON JUL 5
MAXIMUM INSTANTANEOUS,
25.10 AT 04 26 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 51 32 N
LONG 99 49 34 W
DRAINAGE AREA, 669 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	242
FEB	---	AUG	34.9
MAR	7 790	SEP	0
APR	5 580	OCT	0
MAY	5 590	NOV	---
JUN	207	DEC	---

TOTAL DISCHARGE, 19 400 dam³

WILLOW CREEK NEAR GIMLI - STATION NO. 05SB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	8.50E	1.88	0.041	0.002A	---	---	---	---	---	1
2	---	---	0 E	8.45	3.55	0.037	0.002A	---	---	---	---	---	2
3	---	---	0 E	7.11	3.04	0.035	0.001A	---	---	---	---	---	3
4	---	---	0 E	6.37	2.55	0.033	0.001E	---	---	---	---	---	4
5	---	---	0 E	6.04	3.19	0.031	0.001A	---	---	---	---	---	5
6	---	---	0 E	5.82	8.26	0.030	0.001E	---	---	---	---	---	6
7	---	---	0 E	6.00	7.22	0.028	0.001E	---	---	---	---	---	7
8	---	---	0 E	5.26	5.61	0.027A	0.001A	---	---	---	---	---	8
9	---	---	0 E	4.66	4.67	0.025E	---	---	---	---	---	---	9
10	---	---	0 E	3.73	4.20	0.024E	---	---	---	---	---	---	10
11	---	---	0 E	2.84	3.53	0.023E	---	---	---	---	---	---	11
12	---	---	0 E	2.07	3.36	0.022E	---	---	---	---	---	---	12
13	---	---	0 E	1.47	2.80	0.021E	---	---	---	---	---	---	13
14	---	---	0 E	1.56E	2.30	0.020E	---	---	---	---	---	---	14
15	---	---	0 E	1.30E	1.99	0.019E	---	---	---	---	---	---	15
16	---	---	0 E	1.33	1.62	0.018E	---	---	---	---	---	---	16
17	---	---	0 E	1.24	1.28	0.017E	---	---	---	---	---	---	17
18	---	---	0 E	1.21	1.06	0.015E	---	---	---	---	---	---	18
19	---	---	0 E	1.97	0.913	0.014E	---	---	---	---	---	---	19
20	---	---	0 E	2.00	0.761	0.013E	---	---	---	---	---	---	20
21	---	---	0 E	1.65	0.627	0.012	---	---	---	---	---	---	21
22	---	---	0 E	1.47	0.543	0.012	---	---	---	---	---	---	22
23	---	---	0 E	1.37	0.467	0.011	---	---	---	---	---	---	23
24	---	---	0 E	1.40	0.347	0.010A	---	---	---	---	---	---	24
25	---	---	0 E	1.27	0.266	0.008E	---	---	---	---	---	---	25
26	---	---	0 E	1.36	0.221	0.008E	---	---	---	---	---	---	26
27	---	---	0.0088 E	1.55	0.180	0.004E	---	---	---	---	---	---	27
28	---	---	0.6148 E	2.05	0.113	0.003A	---	---	---	---	---	---	28
29	---		2.72 E	2.16	0.083	0.002A	---	---	---	---	---	---	29
30	---		3.65 E	2.26	0.069	0.002E	---	---	---	---	---	---	30
31	---		7.46 E		0.050		---	---		---	---		31
TOTAL	---	---	16.692	85.51	68.780	0.564	---	---	---	---	---	---	TOTA
MEAN	---	---	0.674	3.18	2.22	0.019	---	---	---	---	---	---	MEAN
MAX	---	---	7.46	8.50	8.26	0.041	---	---	---	---	---	---	MAX
MIN	---	---	0	1.21	0.050	0.002	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.67
MAXIMUM DAILY, 8.50E ON APR 1
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
8.83E AT 20 34 CST ON APR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 36 50 N
LONG 97 02 50 W
DRAINAGE AREA, 153 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	1 270	SEP	---
APR	8 250	OCT	---
MAY	5 940	NOV	---
JUN	66.7	DEC	---

TOTAL DISCHARGE, 15 500 dam³

WILSON CREEK NEAR MCCREARY - STATION NO. 05LJ801

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	358.079A	358.185	358.087	357.808	357.756	357.732	357.732	---	---	1
2	---	---	---	---	358.167	358.021	357.805	357.753	357.732	357.732	---	---	2
3	---	---	---	358.018A	358.189	357.936	357.802	357.747	357.732	357.728	---	---	3
4	---	---	---	358.018A	358.250	357.908	357.799	357.744	357.732	357.729	---	---	4
5	---	---	---	---	358.292	357.902	357.820	357.741	357.735	357.725	---	---	5
6	---	---	---	---	358.414	357.899	357.814	357.747	357.735	357.725	---	---	6
7	---	---	---	358.171A	358.256	357.893	357.805	357.768	357.738	357.725	---	---	7
8	---	---	---	358.113	358.204	357.890	357.802	357.763	357.735	357.725	---	---	8
9	---	---	---	358.119	358.185	357.886	357.796	357.747	357.735	357.715	---	---	9
10	---	---	---	358.125	358.201	357.902	357.799	357.741	357.732	357.725	---	---	10
11	---	---	---	358.126	358.183	357.899	357.811	357.741	357.732	357.725	---	---	11
12	---	---	---	358.122	358.180	357.899	357.835	357.738	357.732	357.725	---	---	12
13	---	---	---	358.140	358.174	357.902	357.899	357.741	357.732	357.722	---	---	13
14	---	---	---	358.134	358.174	357.905	357.872	357.741	357.732	357.722	---	---	14
15	---	---	---	358.146	358.192	357.911	357.869	357.738	357.732	357.719	---	---	15
16	---	---	---	358.171	358.186	357.869	357.844	357.732	357.735	357.719	---	---	16
17	---	---	---	358.195	358.158	357.780	357.829	357.725	357.750	357.716	---	---	17
18	---	---	---	358.256	358.140	357.774	357.823	357.725	357.744	357.716	---	---	18
19	---	---	---	358.314	358.140	357.774	357.811	357.725	357.738	357.716	---	---	19
20	---	---	---	358.271	358.146	357.777	357.796	357.725	357.735	357.716	---	---	20
21	---	---	---	358.253	358.146	357.780	357.786	357.729	357.738	357.713	---	---	21
22	---	---	---	358.241	358.146	357.783	357.774	357.729	357.738	357.713	---	---	22
23	---	---	---	358.238	358.143	357.783	357.768	357.729	357.735	357.713	---	---	23
24	---	---	---	358.235	358.143	357.780	357.762	357.732	357.735	357.713A	---	---	24
25	---	---	---	358.235	358.140	357.783	357.762	357.744	357.783	---	---	---	25
26	---	---	---	358.228	358.134	357.829	357.823	357.735	357.799	---	---	---	26
27	---	---	357.774A	358.218	358.113	357.817	357.796	357.735	357.786	---	---	---	27
28	---	---	357.866A	358.204	358.103	357.811	357.780	357.732	357.750	---	---	---	28
29	---	---	357.875A	358.204	358.084	357.808	357.768	357.732	357.735	---	---	---	29
30	---	---	---	358.204	358.085	357.808	357.765	357.729	357.732	---	---	---	30
31	---	---	357.988A		358.079		357.759	357.729		---	---	---	31
MEAN	---	---	---	---	358.172	357.860	357.806	357.738	357.741	---	---	---	MEAN
MAX	---	---	---	---	358.414	358.087	357.899	357.768	357.799	---	---	---	MAX
MIN	---	---	---	---	358.079	357.774	357.759	357.725	357.732	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 46 N
LONG 99 33 15 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

NATURAL FLOW

DRAINAGE AREA
22.5 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WILSON RIVER NEAR ASHVILLE - STATION NO. 05LJ045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.250B	23.1 B	7.80 E	0.545	0.068	0.027	0.007	0.004	---	---	1
2	---	---	0.270B	26.8	7.32 E	0.508	0.046	0.027	0.007	0.004	---	---	2
3	---	---	0.290B	20.4	8.60 E	0.448	0.044	0.028	0.008	0.004	---	---	3
4	---	---	0.302B	13.6	13.4 E	0.470	0.043	0.030	0.006	0.003	---	---	4
5	---	---	0.310B	12.5	18.7 E	0.406	0.063	0.031	0.005	0.003	---	---	5
6	---	---	0.306B	12.2	79.8 A	0.372	0.052	0.034	0.005	0.004	---	---	6
7	---	---	0.284B	15.3	78.5 A	0.332	0.045	0.039	0.003	0.003	---	---	7
8	---	---	0.278B	16.5	50.6	0.312	0.110	0.403	0.003	0.002	---	---	8
9	---	---	0.266B	14.0	28.8	0.287	0.106	0.287	0.003	0.002	---	---	9
10	---	---	0.234B	12.9	25.2	0.279	0.101	0.357	0.004	0.002	---	---	10
11	---	---	0.216B	12.0	21.8	0.383	0.087	0.269	0.004	0.003	---	---	11
12	---	---	0.250B	8.27	15.0	0.476	0.076	0.134	0.004	0.003	---	---	12
13	---	---	0.344B	5.04	10.3	0.345	0.136	0.066	0.002	0.002	---	---	13
14	---	---	0.475B	5.41A	6.85	0.278	0.141	0.051	0.003	0.002	---	---	14
15	---	---	0.680B	5.56E	5.52	0.219	0.186	0.034	0.003	0.002	---	---	15
16	---	---	1.20 B	4.26A	4.85	0.183	0.195	0.027	0.003	0.002	---	---	16
17	---	---	2.10 B	4.90	4.42	0.130	0.183	0.024	0.003	0.002	---	---	17
18	---	---	3.37 B	8.68	3.90	0.106	0.126	0.020	0.003	0.002	---	---	18
19	---	---	3.55 B	13.7	3.34	0.115	0.087	0.019	0.003	0.001	---	---	19
20	---	---	3.23 B	12.8	2.82	0.086	0.058	0.015	0.001	0.002	---	---	20
21	---	---	3.02 B	8.73	2.47	0.051	0.050	0.014	0.002	0.002	---	---	21
22	---	---	4.14 B	5.36	2.15	0.130	0.068	0.013	0.001	0.003	---	---	22
23	---	---	7.08 B	5.65	1.88	0.140	0.063	0.012	0.002	0.003	---	---	23
24	---	---	4.42 B	5.04	1.62	0.096	0.039	0.013	0.002	0.002	---	---	24
25	---	---	3.86 B	6.23	1.47	0.073	0.034	0.013	0.006	0.002	---	---	25
26	---	---	3.27 B	5.28	1.28	0.075	0.033	0.013	0.010	0.003	---	---	26
27	---	---	3.13 B	4.84A	1.13	0.067	0.030	0.012	0.013	0.002	---	---	27
28	---	---	13.3 B	4.35E	0.974	0.056	0.029	0.011	0.008	0.002	---	---	28
29	---	---	33.9 B	4.28E	0.809	0.046	0.027	0.010	0.008	0.002	---	---	29
30	---	---	29.5 B	5.06E	0.711	0.054	0.028	0.007	0.006	0.0028	---	---	30
31	---	---	24.7 B		0.632		0.026	0.007		0.0038	---	---	31
TOTAL	---	---	148.347	307.22	414.796	7.064	2.288	2.047	0.139	0.078	---	---	TOTAL
MEAN	---	---	4.79	10.2	13.4	0.235	0.074	0.066	0.005	0.003	---	---	MEAN
MAX	---	---	33.9	26.8	79.8	0.545	0.195	0.403	0.013	0.004	---	---	MAX
MIN	---	---	0.216	4.26	0.632	0.046	0.026	0.007	0.001	0.001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 3.60
MAXIMUM DAILY 79.8A ON MAY 6
MINIMUM DAILY 0.001 ON SEP 20
MAXIMUM INSTANTANEOUS
105A AT 16 30 CST ON MAY 6

REMARKS - TIME OF PEAK IS APPROXIMATE

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 100 20 00 W
DRAINAGE AREA 889 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	199
FEB	---	AUG	177
MAR	12 800	SEP	12.0
APR	26 500	OCT	6.74
MAY	35 800	NOV	---
JUN	610	DEC	---

TOTAL DISCHARGE, 76 100 dam³

WINNIPEG RIVER AT LAC DU BONNET - STATION NO. 05PP002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	255.025	254.835	254.935	254.987	254.958	254.980	254.949	254.908	254.918	254.827	254.806	254.834
2	254.935	254.815	254.835	254.977	254.978	254.940	254.959	254.838	254.908	254.817	254.886	254.814
3	254.845	254.825	254.925	254.987	254.958	254.949	254.859	254.848	254.868	254.817	254.946	254.943
4	254.805	254.945	254.945	255.027	254.888	254.959	254.869	254.908	254.788	254.837	254.896	254.923
5	254.875	254.935	254.976	255.017	254.908	254.919	254.859	254.918	254.788	254.907	254.856	254.923
6	254.835	254.895	254.985	254.967	254.948	254.929	254.789	254.938	254.828	254.847	254.846	254.843
7	254.984	254.885	254.976	254.947	254.958	254.989	254.839	254.908	254.868	254.897	254.826	254.923
8	254.984	254.945	254.956	254.967	254.988	254.949	254.829	254.918	254.938	254.827	254.846	254.973
9	255.014	254.905	254.976	254.937	254.988	254.919	254.788	254.848	254.908	254.807	254.895	254.973
10	255.014	254.895	254.985	254.987	254.988	254.919	254.858	254.908	254.858	254.817	254.945	254.983
11	255.004	254.835	254.976	254.977	254.938	254.959	254.878	254.968	254.818	254.877	254.845	254.933
12	255.034	254.885	254.985	254.987	254.958	254.969	254.919	254.888	254.788	254.907	254.855	254.963
13	255.034	254.895	254.985	254.987	254.988	254.919	254.928	254.848	254.717	254.947	254.785	254.923
14	254.974	255.005	254.935	254.887	254.988	254.909	254.858	254.788	254.877	254.937	254.775	254.913
15	254.814	254.965	254.985	254.987	254.948	254.939	254.918	254.738	254.907	254.927	254.765	254.932
16	254.884	254.845	254.986	254.937	254.938	254.929	254.908	254.788	254.837	254.857	254.845	254.972
17	254.824	254.955	254.986	254.977	254.958	254.893	254.828	254.918	254.807	254.847	254.895	254.932
18	254.994	254.975	255.006	254.987	254.988	254.869	254.788	254.888	254.887	254.887	254.935	254.852
19	255.074	255.015	255.026	254.917	254.958	254.919	254.828	254.868	254.887	254.977	254.985	254.952
20	255.034	255.045	255.026	254.987	254.968	254.929	254.938	254.828	254.887	254.987	255.015	254.922
21	254.934	254.985	254.985	254.897	254.888	254.909	254.988	254.908	254.807	254.987	254.934	254.932
22	254.854	254.935	254.976	254.927	254.985	254.869	254.858	254.948	254.917	254.917	254.864	254.902
23	254.864	254.905	254.956	254.937	254.978	254.879	254.848	254.858	254.907	254.907	254.974	254.912
24	255.004	254.925	254.936	254.987	254.959	254.839	254.858	254.908	254.827	254.917	254.894	254.922
25	255.034	254.885	255.016	254.947	254.989	254.949	254.838	254.938	254.867	254.887	254.974	254.962
26	254.964	254.895	254.995	254.988	255.009	254.929	254.908	254.958	254.857	254.987	254.884	254.932
27	254.884	255.005	254.976	254.998	254.989	254.869	254.888	254.928	254.877	254.987	254.934	254.941
28	254.874	254.985	254.956	255.018	254.989	254.839	254.948	254.908	254.977	254.906	254.924	254.931
29	254.904		254.986	254.978	254.989	254.829	254.898	254.858	254.987	254.886	254.874	254.941
30	254.984		255.026	254.948	254.989	254.909	254.858	254.748	254.907	254.906	254.904	254.961
31	254.975		255.047		254.979		254.918	254.798		254.796		254.951
MEAN	254.953	254.962	254.978	254.967	254.987	254.916	254.890	254.844	254.844	254.890	254.895	254.939
MAX	255.074	255.045	255.047	255.027	255.009	254.989	254.988	254.958	254.977	254.987	255.015	254.983
MIN	254.805	254.895	254.925	254.897	254.888	254.829	254.789	254.738	254.687	254.796	254.785	254.902

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN. 254.924
MAXIMUM DAILY. 255.074 ON JAN 19
MINIMUM DAILY. 254.687 ON SEP 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 35 N
LONG 95 03 20 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1963 ADJ.)

WINNIPEG RIVER AT SLAVE FALLS - STATION NO. 05PP003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1 200	1 220	1 310	1 290	1 120	1 820	765	793	654	670	779	871
2	1 210	1 250	1 300	1 310	1 180	1 830	784	738	627	785	767	908
3	1 250	1 280	1 300	1 330	1 220	1 820	684	714	624	771	762	895
4	1 280	1 300	1 310	1 340	1 240	1 790	813	726	643	808	783	881
5	1 260	1 310	1 300	1 350	1 340	1 780	734	757	613	785	783	903
6	1 280	1 310	1 290	1 350	1 380	1 780	654	760	603	817	752	885
7	1 290	1 310	1 300	1 300	1 430	1 710	823	754	572	782	784	902
8	1 230	1 300	1 340	1 280	1 490	1 690	847	748	636	769	772	921
9	1 340	1 300	1 320	1 270	1 550	1 700	674	744	581	804	749	921
10	1 460	1 290	1 310	1 250	1 570	1 690	673	729	621	784	819	874
11	1 500	1 280	1 310	1 240	1 600	1 620	736	696	613	801	812	930
12	1 370	1 290	1 300	1 210	1 540	1 640	726	723	614	800	778	904
13	1 340	1 270	1 290	1 220	1 530	1 580	782	682	618	800	781	855
14	1 340	1 240	1 290	1 210	1 580	1 600	781	674	588	781	791	853
15	1 340	1 250	1 310	1 190	1 600	1 550	772	682	632	770	814	889
16	1 370	1 250	1 280	1 210	1 540	1 510	770	648	606	788	784	856
17	1 400	1 270	1 330	1 200	1 560	1 420	788	644	623	835	816	838
18	1 380	1 270	1 350	1 190	1 700	1 350	777	687	602	845	803	838
19	1 380	1 280	1 330	1 160	1 740	1 280	823	706	611	831	887	852
20	1 330	1 250	1 340	1 160	1 770	1 180	770	684	601	810	826	882
21	1 310	1 230	1 300	1 180	1 820	1 080	773	682	612	809	827	880
22	1 280	1 220	1 290	1 200	1 830	1 030	771	641	635	785	868	[illegible]
23	1 290	1 230	1 290	1 180	1 850	898	747	673	613	799	837	898
24	1 280	1 240	1 310	1 170	1 850	804	695	653	661	778	885	921
25	1 280	1 280	1 320	1 200	1 870	848	732	704	682	773	828	898
26	1 240	1 300	1 310	1 200	1 880	848	788	650	682	773	858	885
27	1 220	1 280	1 340	1 170	1 860	807	726	644	732	786	862	922
28	1 200	1 310	1 330	1 110	1 830	804	748	628	690	795	882	885
29	1 210		1 340	1 080	1 820	785	774	620	589	785	900	826
30	1 190		1 340	1 110	1 820	745	774	658	607	793	897	887
31	1 180		1 340		1 820		715	642		773		891
TOTAL	40 280	35 820	40 720	36 710	50 110	41 280	22 800	21 516	18 839	24 463	24 884	27 489
MEAN	1 300	1 270	1 310	1 220	1 620	1 380	739	694	628	789	819	886
MAX	1 500	1 310	1 350	1 380	1 870	1 830	823	783	732	845	900	930
MIN	1 180	1 220	1 280	1 080	1 120	745	623	620	572	670	749	838

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1986

MEAN. 1 080
MAXIMUM DAILY. 1 870 ON MAY 25
MINIMUM DAILY. 572 ON SEP 7

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 13 30 N
LONG 95 34 15 W
DRAINAGE AREA. 126 000 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 480 000	JUL	1 980 000
FEB	3 080 000	AUG	1 860 000
MAR	3 520 000	SEP	1 630 000
APR	3 170 000	OCT	2 110 000
MAY	4 330 000	NOV	2 120 000
JUN	3 580 000	DEC	2 370 000

TOTAL DISCHARGE. 33 200 000 dam³

REGULATED SINCE 1907

DATA CONTRIBUTED BY -
CITY OF WINNIPEG HYDRO-ELECTRIC SYSTEM

WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT - STATION NO. 05PF057

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	274.183	274.119	274.107	274.122	274.137	274.122	274.137	274.140	273.888	274.043	274.043	274.137	1
2	274.143	274.174	274.107	274.116	274.137	274.091	274.052	274.128	274.027	274.082	274.078	274.171	2
3	274.140	274.188	274.107	274.137	274.152	274.122	273.973	274.113	274.027	274.070	274.021	274.149	3
4	274.192	274.148	274.131	274.137	274.183	274.104	273.918	274.128	274.037	274.110	274.049	274.162	4
5	274.085	274.136	274.137	274.180	274.192	274.152	273.942	274.110	274.046	274.082	274.033	274.146	5
6	274.143	274.107	274.094	274.155	274.128	274.188	274.088	274.037	274.137	274.085	274.145	274.116	6
7	274.158	274.118	274.091	274.081	274.128	274.143	274.027	274.045	274.122	274.104	274.097	274.137	7
8	274.113	274.137	274.128	274.040	274.128	274.073	274.116	274.012	274.078	274.086	274.082	274.110	8
9	274.134	274.137	274.174	274.122	274.113	274.119	274.082	274.049	274.081	274.087	273.954	274.021	9
10	274.189	274.131	274.119	274.110	274.107	274.155	274.085	274.113	273.987	274.021	274.018	273.994	10
11	274.165	274.122	274.118	274.131	274.146	274.146	274.087	274.049	274.049	273.986	274.091	274.128	11
12	274.006	274.143	274.113	274.087	274.158	274.146	274.087	273.982	274.073	274.081	274.009	274.116	12
13	273.863	274.125	274.134	274.000	274.158	274.155	274.045	274.015	274.081	274.088	273.985	274.061	13
14	273.939	274.128	274.128	274.055	274.134	274.073	274.012	274.070	274.030	274.000	274.033	274.140	14
15	274.087	274.091	274.088	274.146	274.158	273.997	274.021	274.076	274.009	274.070	274.085	274.137	15
16	274.189	274.084	274.091	274.171	274.125	273.985	274.024	274.104	273.973	274.012	274.131	274.078	16
17	274.177	274.091	274.082	274.137	274.122	274.061	274.037	274.030	273.973	274.043	274.134	274.070	17
18	274.146	274.158	274.131	274.088	274.148	274.152	274.006	274.009	273.954	274.073	274.122	274.076	18
19	274.101	274.168	274.137	274.140	274.189	274.116	274.067	273.985	273.815	274.122	274.148	274.079	19
20	274.091	274.137	274.137	274.168	274.149	274.140	274.088	274.110	274.000	274.009	274.061	274.088	20
21	274.091	274.125	274.128	274.185	274.113	274.107	274.137	274.107	274.101	274.021	274.087	274.104	21
22	274.076	274.107	274.087	274.149	274.119	274.003	274.101	274.107	273.891	274.076	274.085	274.137	22
23	274.101	274.091	274.137	274.152	274.137	274.052	274.024	274.104	273.885	274.052	274.143	274.122	23
24	274.107	274.086	274.168	274.143	274.107	274.012	274.113	274.119	274.055	274.040	274.162	274.137	24
25	274.107	274.134	274.180	274.128	274.107	274.008	274.091	274.110	274.081	274.076	274.137	274.128	25
26	274.049	274.137	274.189	274.185	274.140	274.006	274.091	274.052	274.061	274.078	274.088	274.113	26
27	274.078	274.131	274.145	274.113	274.137	273.966	274.097	274.107	274.079	273.985	274.125	274.113	27
28	274.107	274.113	274.128	274.097	274.122	273.885	274.078	274.045	274.040	273.868	274.088	274.166	28
29	274.137		274.125	274.143	274.101	274.091	274.078	274.070	274.043	273.976	274.082	274.113	29
30	274.131		274.155	274.171	274.122	274.168	274.107	274.045	274.040	273.968	274.078	274.082	30
31	274.125		274.143		274.137		274.148	274.125		274.009		274.081	31
MEAN	274.108	274.126	274.127	274.125	274.137	274.087	274.083	274.074	274.034	274.049	274.080	274.105	MEAN
MAX	274.192	274.174	274.189	274.189	274.192	274.168	274.148	274.140	274.137	274.122	274.162	274.171	MAX
MIN	273.863	274.084	274.082	274.000	274.101	273.966	273.918	273.982	273.815	273.968	273.954	273.994	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 274.093
MAXIMUM DAILY, 274.192 ON JAN 4
MINIMUM DAILY, 273.863 ON JAN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 10 N
LONG 95 00 50 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT - STATION NO. 05PF048

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	231.563	231.230	231.188	231.382	231.355	231.861	230.045	230.033	229.850	229.986	230.023	230.279	1
2	231.590	231.179	231.180	231.282	231.435	231.861	230.420	230.103	230.023	230.075	229.740	230.407	2
3	231.496	231.130	231.180	231.212	231.523	231.855	230.441	229.882	229.901	230.057	230.188	230.368	3
4	231.264	231.130	231.105	231.248	231.523	231.852	230.191	230.200	229.959	230.127	230.107	230.264	4
5	231.208	231.154	231.078	231.419	231.435	231.813	230.288	229.847	229.777	229.972	230.226	230.313	5
6	231.252	231.176	231.182	231.483	231.541	231.715	229.786	230.340	229.588	230.325	230.179	230.493	6
7	231.179	231.206	231.208	231.331	231.618	231.776	229.834	230.252	229.679	230.450	230.167	230.350	7
8	231.020	231.246	231.206	231.340	231.642	231.800	229.875	230.165	230.033	230.423	230.083	230.279	8
9	231.029	231.215	231.191	231.148	231.694	231.746	229.756	230.020	229.941	230.167	229.835	230.465	9
10	231.200	231.102	231.191	231.112	231.770	231.583	229.859	229.789	230.036	230.191	230.374	230.486	10
11	231.313	230.974	231.185	231.185	231.770	231.587	229.972	230.051	230.051	230.036	230.231	230.343	11
12	231.346	231.023	231.185	231.264	231.752	231.566	229.826	230.237	230.030	229.901	230.145	230.359	12
13	231.404	231.084	231.160	231.243	231.787	231.706	229.761	230.142	229.855	230.187	230.340	230.502	13
14	231.480	231.105	231.154	231.127	231.849	231.532	229.835	230.014	229.833	230.289	230.063	230.292	14
15	231.380	231.160	231.115	230.956	231.831	231.477	230.081	229.880	229.898	230.191	229.974	230.286	15
16	231.221	231.124	231.099	230.974	231.816	231.468	230.087	229.420	230.008	230.337	229.990	230.347	16
17	231.191	231.035	231.099	231.060	231.800	231.345	230.243	229.880	230.063	230.191	230.045	230.557	17
18	231.166	231.008	231.109	231.212	231.800	231.116	230.222	230.045	230.087	230.054	230.151	230.444	18
19	231.267	231.023	231.163	231.165	231.843	231.028	229.886	230.124	229.952	230.115	230.087	230.337	19
20	231.477	231.188	231.237	231.087	231.895	231.038	229.867	229.713	229.539	230.255	230.322	230.490	20
21	231.514	231.282	231.264	231.038	231.804	231.044	230.038	229.694	229.388	230.380	230.435	230.322	21
22	231.386	231.166	231.187	231.048	231.953	230.971	230.005	230.087	229.950	230.325	230.148	230.392	22
23	230.944	231.080	231.093	231.075	231.941	230.767	230.385	230.017	230.008	230.187	230.203	230.388	23
24	230.965	230.977	231.038	231.089	231.907	230.485	230.182	229.870	229.917	230.237	230.385	230.388	24
25	231.267	230.977	231.133	231.089	231.892	230.432	229.871	229.875	230.063	230.063	230.508	230.343	25
26	231.453	231.048	231.258	231.145	231.847	230.589	229.962	229.980	230.008	230.083	230.411	230.426	26
27	231.383	231.215	231.270	231.264	231.822	230.520	229.920	229.685	229.645	230.386	230.225	230.353	27
28	231.121	231.221	231.255	231.388	231.910	230.441	229.958	230.051	229.917	230.340	230.514	230.234	28
29	230.974		231.221	231.404	231.858	230.115	230.084	230.127	230.187	230.286	230.520	230.404	29
30	231.004		231.200	231.368	231.851	229.947	230.078	229.886	230.108	230.252	230.145	230.407	30
31	231.279		231.240		231.851		230.020	229.635		230.237		230.377	31
MEAN	231.268	231.123	231.172	231.206	231.763	231.238	230.028	229.859	229.885	230.197	230.196	230.378	MEAN
MAX	231.590	231.362	231.270	231.483	231.953	231.851	230.441	230.340	230.187	230.450	230.520	230.557	MAX
MIN	230.944	230.974	231.038	230.956	231.365	229.947	229.867	229.420	229.388	229.901	229.740	230.234	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1986

MEAN, 230.699
MAXIMUM DAILY, 231.953 ON MAY 22
MINIMUM DAILY, 229.388 ON SEP 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 50 N
LONG 96 00 15 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINTERING LAKE AT THICKET PORTAGE - STATION NO. 05TD002

DAILY WATER LEVEL IN METRES FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	181.203	181.150	181.083	181.043	181.082	181.561	181.521	181.827	181.786	---	---	---	1
2	181.200	181.149	181.086	181.041	181.087	181.558	181.512	181.825	181.785	---	---	---	2
3	181.199	181.148	181.080	181.038	181.093	181.558	181.510	181.828	181.788	---	---	---	3
4	181.198	181.147	181.071	181.034	181.105	181.547	181.518	181.831	181.808	---	---	---	4
5	181.198	181.146	181.068	181.031	181.115	181.536	181.535	181.828	181.804	---	---	---	5
6	181.193	181.143	181.080	181.027	181.121	181.532	181.600	181.831	181.792	---	---	---	6
7	181.193	181.139	181.059	181.021	181.131	181.546	181.619	181.841	181.793	---	---	---	7
8	181.196	181.135	181.061	181.021	181.139	181.521	181.635	181.852	181.776	---	---	---	8
9	181.195	181.130	181.059	181.021	181.155	181.524	181.649	181.854	181.764	---	---	---	9
10	181.192	181.124	181.061	181.021	181.177	181.520	181.672	181.849	181.760	---	---	---	10
11	181.192	181.123	181.059	181.020	181.185	181.517	181.691	181.845	181.762	---	---	---	11
12	181.190	181.119	181.054	181.023	181.225	181.551	181.694	181.844	181.757	---	---	---	12
13	181.188	181.114	181.055	181.024	181.264	181.551	181.698	181.840	181.747	---	---	---	13
14	181.184	181.113	181.060	181.025	181.311	181.547	181.703	181.835	181.744	---	---	---	14
15	181.185	181.111	181.068	181.026	181.349	181.545	181.716	181.843	181.735	---	---	---	15
16	181.185	181.108	181.071	181.027	181.386	181.543	181.728	181.845	181.732	---	---	---	16
17	181.184	181.101	181.072	181.028	181.419	181.542	181.727	181.831	181.732	---	---	---	17
18	181.181	181.098	181.088	181.029	181.448	181.546	181.735	181.826	181.724	---	---	---	18
19	181.177	181.095	181.061	181.024	181.474	181.545	181.741	181.826	181.716	---	---	---	19
20	181.174	181.091	181.051	181.024	181.493	181.547	181.720	181.834	181.714	---	---	---	20
21	181.172	181.089	181.052	181.024	181.511	181.561	181.720	181.820	181.710	---	---	---	21
22	181.167	181.080	181.050	181.026	181.527	181.565	181.713	181.833	181.706A	---	---	---	22
23	181.162	181.080	181.047	181.036	181.543	181.537	181.720	181.831	---	---	---	---	23
24	181.161	181.080	181.044	181.046	181.553	181.534	181.754	181.828	---	---	---	---	24
25	181.162	181.083	181.045	181.051	181.561	181.543	181.758	181.829	---	---	---	---	25
26	181.157	181.087	181.044	181.057	181.572	181.539	181.773	181.818	---	---	---	---	26
27	181.158	181.082	181.048	181.059	181.576	181.532	181.777	181.813	---	---	---	---	27
28	181.160	181.081	181.050	181.066	181.578	181.530	181.780	181.808	---	---	---	---	28
29	181.157		181.045	181.081	181.573	181.518	181.789	181.808	---	---	---	---	29
30	181.156		181.046	181.085	181.571	181.517	181.812	181.808	---	---	---	---	30
31	181.153		181.045		181.566		181.824	181.809		---		---	31
MEAN	181.180	181.112	181.059	181.036	181.352	181.539	181.689	181.830	---	---	---	---	MEAN
MAX	181.203	181.150	181.086	181.085	181.578	181.561	181.824	181.854	---	---	---	---	MAX
MIN	181.153	181.080	181.044	181.020	181.082	181.517	181.510	181.808	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1986

WATER LEVELS IN METRES

MAXIMUM DAILY, 181.854 ON AUG 9
MINIMUM DAILY, 181.020 ON APR 11
MAXIMUM INSTANTANEOUS,
181.857 ON AUG 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 19 25 N
LONG 97 40 54 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

WOODY RIVER NEAR BOWSMAN - STATION NO. 05LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1986

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.5558	43.28	25.0	6.74	3.41	1.49	0.252	3.08	---	---	1
2	---	---	0.5718	37.68	23.3	6.25	3.08	1.46	0.234	2.73	---	---	2
3	---	---	0.6038	32.38	23.3	5.80	2.88	1.43	0.216	2.37	---	---	3
4	---	---	0.6598	23.5	24.5	4.98	2.61	1.20	0.200	2.17	---	---	4
5	---	---	0.6968	30.3	24.9	5.11	2.49	1.01	0.213	2.10	---	---	5
6	---	---	0.7378	36.1	25.6	6.54	2.65	0.935	0.211	1.91	---	---	6
7	---	---	0.7528	41.8	23.3	8.51	3.78	1.24	0.173	1.81	---	---	7
8	---	---	0.7998	42.1	21.1	8.42	4.72	1.22	0.184	1.96	---	---	8
9	---	---	0.7868	44.2	20.6	8.19	4.49	2.85	0.168	1.81	---	---	9
10	---	---	0.7518	45.5	21.3	8.91	4.22	2.57	0.138	1.79	---	---	10
11	---	---	0.7168	47.1	23.2	9.74	4.47	2.20	0.108	1.72	---	---	11
12	---	---	0.6788	36.8	22.8	9.82	4.89	1.85	0.148	1.62	---	---	12
13	---	---	0.6868	37.9	23.6	11.5	4.65	1.58	0.138	1.58	---	---	13
14	---	---	0.7348	35.9	24.0	11.7	4.36	1.32	0.114	1.54	---	---	14
15	---	---	0.8048	32.7	22.8	11.1	4.13	0.988	0.102	1.48	---	---	15
16	---	---	0.9558	28.7	22.8	10.3	5.59	0.715	0.104	1.42	---	---	16
17	---	---	1.04 B	28.7	22.6	9.52	8.71	0.561	0.115	1.43	---	---	17
18	---	---	1.08 B	27.2	22.1	8.91	12.9	0.430	0.127	1.34	---	---	18
19	---	---	1.17 B	26.0	20.9	8.22	8.96	0.349	0.085	1.27	---	---	19
20	---	---	1.24 B	29.4	19.8	7.80	5.87	0.297	0.066	1.20	---	---	20
21	---	---	1.31 B	28.5	18.5	7.26	4.47	0.257	0.082	1.17	---	---	21
22	---	---	1.53 B	27.7	17.1	6.82	3.71	0.258	0.084	1.13	---	---	22
23	---	---	1.82 B	27.8	16.0	6.34	3.17	0.238	0.038	1.12	---	---	23
24	---	---	1.97 B	27.9	14.5	5.98	2.75	0.235	0.028E	1.07	---	---	24
25	---	---	1.97 B	28.1	13.2	7.61	2.40	0.251	0.020	1.01	---	---	25
26	---	---	1.94 B	28.2	12.1	17.2	2.13	0.277	0.421	1.07	---	---	26
27	---	---	2.00 B	28.3	11.0	13.5	1.88	0.270	1.54	1.03	---	---	27
28	---	---	5.80 B	27.6	10.0	7.98	1.63	0.273	2.56	0.977	---	---	28
29	---		16.3 B	26.4	8.85	5.24	1.53	0.273	3.03	0.897	---	---	29
30	---		16.6 B	26.0	7.95	4.10	1.58	0.264	3.22	0.853	---	---	30
31	---		29.2 B		7.28		1.46	0.260		0.804B		---	31
TOTAL	---	---	96.432	985.3	594.08	249.80	125.48	28.327	14.095	47.561	---	---	TOTAL
MEAN	---	---	3.11	32.8	19.2	8.33	4.05	0.914	0.470	1.53	---	---	MEAN
MAX	---	---	29.2	47.1	25.6	17.2	12.9	2.85	3.22	3.08	---	---	MAX
MIN	---	---	0.555	23.5	7.28	4.10	1.46	0.235	0.020	0.804	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.74
MAXIMUM DAILY, 47.1 ON APR 11
MINIMUM DAILY, 0.020 ON SEP 25
MAXIMUM INSTANTANEOUS,
55.4 AT 19 45 CST ON APR 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 30 N
LONG 101 08 15 W
DRAINAGE AREA, 2 110 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	10 800
FEB	---	AUG	2 460
MAR	8 330	SEP	1 220
APR	85 100	OCT	4 110
MAY	51 300	NOV	---
JUN	21 500	DEC	---

TOTAL DISCHARGE, 185 000 dam³

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ANGLE DRAIN NEAR GLENELLA	05LL028	1
ANGLING RIVER NEAR BIRD	05UH001	1
ANTLER RIVER NEAR MELITA	05NF002	2
ARROW RIVER NEAR ARROW RIVER	05MG001	2
ASSINIBOINE RIVER AT HEADINGLEY	05MJ001	3
ASSINIBOINE RIVER NEAR BRANDON	05MH013	3
ASSINIBOINE RIVER NEAR HOLLAND	05MH005	4
ASSINIBOINE RIVER NEAR MINIOTA	05ME006	4
ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE	05MJ003	5
ASSINIBOINE RIVER NEAR RUSSELL	05ME001	5
ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE	05KG005	6
BACK LAKE NEAR OXFORD HOUSE	04AA003	6
BADGER CREEK NEAR CARTWRIGHT	05QA007	7
BALD HILL RESERVOIR NEAR MCCREARY	05LJ803	7
BARRINGTON RIVER BELOW FIRST RAPIDS	06EB003	8
BEAVER CREEK EAST OF BEAVER	05LL028	8
BEAVER LAKE NEAR PINE RIVER	05LG801	9
BELL LAKE NEAR OUTLET	05LF801	9
BELL RIVER NEAR BELLSITE	05LF002	10
BERENS RIVER AT OUTLET OF LONG LAKE	05RD007	10
BIG GRASS RIVER NEAR GLENELLA	05LL015	11
BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS	05KH003	11
BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS	05KH004	12
BIRCH RIVER NEAR BIRCH RIVER	05LE010	12
BIRD RIVER AT OUTLET OF BIRD LAKE	05PJ001	13
BIRDTAIL CREEK NEAR BIRTLE	05ME003	13
BIRNIE CREEK NEAR BIRNIE	05LL017	14
BLACK RIVER NEAR MANIGOTAGAN	05RA002	14
BLOODVEIN RIVER ABOVE BLOODVEIN BAY	05RB003	15
BOISSEVAIN RESERVOIR NEAR BOISSEVAIN	05QA801	15
BOYNE RIVER ABOVE CARMAN DAM	05QF801	16
BOYNE RIVER NEAR CARMAN	05QF003	16
BOYNE RIVER NEAR ROSEISLE	05QF011	17
BOYNE RIVER NEAR STEPHENFIELD	05QF006	17
BOYNE RIVER NEAR TREHERNE	05QF010	18
BRERETON LAKE NEAR RENNIE	05PG003	18
BROKENHEAD RIVER NEAR BEAUSEJOUR	05SA002	19
BROKENHEAD RIVER NEAR VIVIAN	05SA004	19
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BURNT LAKE DRAIN NO. 1 NEAR DEERHORN	05LN002	20
BURNT LAKE DRAIN NO. 2 NEAR LUNDAR	05LN003	21
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CEDAR LAKE NEAR OLESON POINT	05KL005	23
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CHURCHILL RIVER ABOVE LEAF RAPIDS	06EB004	24
CHURCHILL RIVER ABOVE RED HEAD RAPIDS	06FD001	25
CHURCHILL RIVER BELOW FIDLER LAKE	06FB001	25
CLEARWATER LAKE AT GUY HILL	05KK009	26
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COOKS CREEK NEAR GLASS	05QJ007	28
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